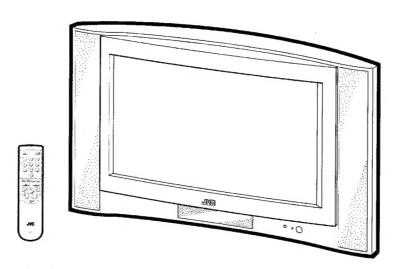
# JVC

# SERVICE MANUAL

# **COLOUR TELEVISION**

# AV32T25EKS / AV32R25EKS AV32T55EKS / AV32R250EKS AV32T25EIS

BASIC CHASSIS



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# **SPECIFICATIONS**

	Content					
ltem	AV 32 T 25 EKS AV 32 T 55 EKS	AV 32 T25 EIS	AV32R25EKS AV32R250EKS			
Dimensions (W×H×D)	946mm× 561.5mm× 547mm		946mm×561.5mm×551mm			
Mass	54.5kg		57.5kg			
TV RF System	CCIR(I)					
Colour System	PAL	*** **** **** *				
*****	NTSC (Only in EXT mode)					
Stereo System	NICAM					
Teletext System	FLOF (Fastext)					
	WST(Standard system)					
Receiving Frequency						
VHF		47MHz ~ 470MHz				
UHF	470MHz ~ 862MHz	<b></b>				
Intermediate Frequency						
VIF Carrier	38.9MHz ( I )					
SIF Carrier	32.9MHz ( 6.0MHz:l )	32.9MHz ( 6.0MHz:I )				
Colour Sub Carrier Freq.						
PAL	4.43MHz					
NTSC	3.58MHz / 4.43MHz					
Power Input	AC 220V~240V , 50Hz					
Power Consumption	200W(Max) / 127W(Avg)					
	Stand by: 3W					
Aerial Input Term	75 Ω unbalanced, Coaxial					
Picture Tube	Visible size: 76cm, Measured diag	gonally				
High Voltage	31.0kV <sub>-1.5kV</sub> (CRT cut off , FUL	L mode)				
Speaker	6.5 cm × 13 cm Oval type × 2		6.5cm × 13cm Oval type × 2(side) 4cm × 16cm Oval type × 1 (center)  \$\phi\$ 13cm Round type × 1 (sub woofer)			
Au dio Output	10W + 10W		10W + 10W + 10W + 18W			
EXT-1/EXT-2/EXT-3 (Input / Output)	21-pin Euro connector (SCART socket)					
EXT-4 (Input) Video	1Vp-p 75Ω (RCA pin jack)					
Au đio (L/R)						
S / Video Y: 1Vp-p POSITIVE (Negative sync Provided, when terminated with 75Ω)			<b>75Ω</b> )			
	C: 0.286Vp-p (Burst signal, when t					
AUDIO OUT (Variable)	0~1Vms, Low Impedance (RCA)	pin jack×2)	W			
SURROUND REAR output 7.5W + 7.5W, ir			7.5W + 7.5W, Impedance 8 Ω (Push terminal)			
Headphone jack	Stereo minijack ( $\phi$ 3.5mm)					
Remote Control Unit	RM-C55H		RM-C60H			
		<del></del>				

Design & specifications are subject to change without notice.

### [AV32R25EKS / AV32R250EKS only]

★ Manufactured under license from Dolby Laboratories Licensing Corporation.

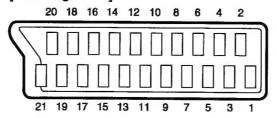
"Dolby" and the double-D symbol □□ are trademarks of Dolby Laboratories Licensing Corporation.

# ■21-pin Euro connector (SCART socket): EXT-1 / EXT-2 / EXT-3

(P-P= Peak to Peak, S-W= Sync tip to white peak, B-W= Blanking to white peak)

Pin No.	Signal Designation	Matching Value	EXT-1	EXT-2	EXT-3
1	AUDIO R output	500mVrms(Nominal), Low impedance	O (TV OUT)	O (LINE OUT)	NC
2	AUDIO R input	500mVrms(Nominal), High impedance	0	0	0
3	AUDIO L output	500mVrms(Nominal), Low impedance	O (TV OUT)	O (LINE OUT)	NC
4	AUDIO GND		0	0	0
5	GND (B)		0	0	0
6	AUDIO L input	500mVrms(Nominal), High impedance	0	0	0
7	Binput	700mV <sub>B-W</sub> , 75Ω	0	NC	NC
8	FUNCTON SW (SLOW SW)	Low: 0-3V, High: 8-12V, High impediance	0	0	0
9	GND (G)		0	0	0
10	SCL3		NC	0	NC
11	G input	700mV <sub>B-W</sub> , 75Ω	0	NC	NC
12	SDA3		NC	0	NC
13	GND (R)		0	0	0
14	GND (Y <sub>s</sub> )		0	NC	NC
15	R / C input	R:700mV <sub>B-W</sub> ,75Ω	0	0	0
		C : 300 mV <sub>P-P</sub> , 75 Ω	(only R)	(only C)	(only C)
16	Ys in put	Low: 0 - 0.4, High: 1 - 3V, 75Ω	0	NC	NC
17	GND(VIDEO output)		0	0	0
18	GND(VIDEO input)		0	0	0
19	VIDEO output	1V <sub>P-P</sub> (Negative going sync), 75 Ω	O (TV)	O (LINE OUT)	NC
20	VIDEO / Y input	1V <sub>p.p</sub> (Negative going sync), 75 Ω	0	0	0
21	COMMON GND		0	0	0

### [Pin assignment]



# SAFETY PRECAUTIONS

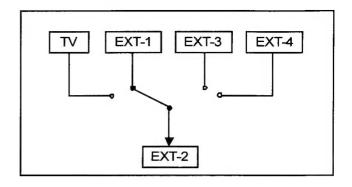
- The design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- Alterations of the design or circuitry of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- 3. Many electrical and mechanical parts in the product have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessary be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which
- have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by  $(\triangle)$  on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the Parts List of Service Manual may cause shock, fire, or other hazards.
- 4. The leads in the products are routed and dressed with ties, clamps, tubing's, barriers and the like to be separated from live parts, high temperature parts, moving parts and / or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.

# WARNING

- 1. The equipment has been designed and manufactured to meet international safety standards.
- It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
- 3. Repairs must be made in accordance with the relevant safety standards.
- 4. It is essential that safety critical components are replaced by approved parts.
- 5. If mains voltage selector is provided, check setting for local voltage.

# **FEATURES**

- By preference, users can select the picture size from REGULAR, PANORAMIC, FULL, 14:9 ZOOM, 16:9 ZOOM, 16:9 ZOOM SUB TITLE modes. When the TV unit received WSS picture signal, the picture can be changed to 16:9 ZOOM mode automatically.
- The TELETEXT SYSTEM has a built-in FASTEXT, and WST system.
- Because this TV unit corresponds to multiplex broadcast, users can enjoy music programs and sporting events with live realism.
   In addition, BILINGUAL programs can be heard in their original language.
- Users can make VCR dubbing of picture and sound by controlling the AV selector to select an optional source at the EXT-2 output shown in figure.
- Built-inn DOLBY PRO LOGIC 3D-PHONE function. [Only AV32R25EKS / AV32R250EKS]



# MAIN DIFFERENCE LIST

Δ	Model Name Part Name	AV32T25EKS	AV32T55EKS	AV32T25EIS	AV32R25EKS	AV32R250EKS
	MAIN PB ASSY	SJL-1004A-U2	-	SJL-1007A-U2	SJL-1008A-U2	4
	DEF POWER PB ASS	SJL-2002A-U2	<b>—</b>	-	SJL-2004A-U2	4
	CRT SKT PB AS SY	SJL-3002A-U2	<b>←</b>	-	4	4
	FRONT CTRL ASSY	SJL-8004A-U2	-	-	-	<b>—</b>
	SIDE CTRL ASSY	SJL-8104A-U2	<b>—</b>	<b>←</b>	SJL-8102A-U2	<b>—</b>
	AV SW PB ASSY	SJL0S002A-U2	←—	-	SJL0S003A-U2	<b>——</b>
	DOLBY PB ASSY				SJL0D001A-U2	-
Δ	AV BOARD	LC11010-004A-U	4	4	LC11336-001B-U	4
Δ	RATING LABEL	LC11364-004A-U	LC11364-014A-U	LC11364-017A-U	LC11364-002A-U	LC11364-015A-U
Δ	SP BOX T				LC11308-001A-U	4
Δ	SP BOX B				LC11309-001A-U	-
	SPEAKER (SP03)				QAS0110-001	-
	SPEAKER (SP04)				QAS0092-001	-
	SPEAKER PANEL	LC21065-001A-U	◆	←	LC21031-001A-U	-
Δ	F CABI ASSY	LC11360-002B-U	<b>←</b>	4	LC11360-001B-U	LC11360-001A-U
	JVC MARK	LC41250-002C-C	LC41250-001A-C	<del></del>	LC41250-002C-C	LC41250-001A-C
	CUSHION ASSY	LC11373-001A	-	-	LC11361-001A	4
Δ	INST BOOK	LCT1153-001A-U	-	-	LCT1152-001A-U	4
	REG CARD	AEM3148-001-E	4		AEM3148-001-E	<b>—</b>
	RC HAND UNIT	RM-C55H-1C	-	4	RM-C60H-1C	4
	EURO LABEL	AEM1 064-006-E	AEM1064-029-E	AEM1064-008-E	AEM1064-001-E	AEM1 064-016-E

# SPECIFIC SERVICE INSTRUCTIONS

### AV32T25EKS / AV32T55EKS / AV32T25EIS DISASSEMBLY PROCEDURE

### REMOVING THE REAR COVER

- 1. Unplug the power cord.
- 2. Remove the 13 screws marked A as shown in the Fig. 1.
- 3. Withdrawthe rear cover toward you.

### REMOVING THE SIDE CONTROL JACK ASSEMBLY

- After removing the rear cover.
- 1. Remove the screw marked B as shown in the Fig.1.
- White slightly raise the side control jack assembly, remove the 2 claws under the side control jack assembly.
- Disconnect the connector "SR", "SL", "S", "F" and "CN016" as shown in Fig 2.

### REMOVING THE SIDE CONTROL PWB

- After removing the rear cover and side control jack assembly.
- Remove the 3 claws C from back side of the side control jack assembly as shown in Fig. 2.
- 2. Pull out the SIDE CONTROLPWB.

### **REMOVING THE CHASSIS**

- After removing the rear cover.
- Slightly raise the both sides of the chassis by hand and remove the two claws under the both sides of the chassis from the front cabinet.
- Withdrawthe chass is backward.
   (If necessary, take off the wire clamp, connectors etc.)

### **REMOVING THE POWER & DEF. PWB**

- After removing the CHASSIS.
- 1. Remove the 3 screws marked D as shown in the Fig.1.
- Remove the POWER & DEF. PWB upper. (If necessary, take off the wire clamp, connectors, etc.)

### REMOVING THE SPEAKER

- After removing the rear cover.
- Remove the 2 screws marked E, and remove the speaker holder as shown in Fig. 1.

NOTE: When removing the screws marked E of the speaker holder remove the lower side screw first, and then remove the upper one.

- 2. Remove the 2 screws F attaching the speaker.
- Follow the same steps when removing the other hand speaker.

### REMOVING THE AV TERMINAL BOARD

- After removing the rear cover.
- 1. Remove the 3 screws marked G as shown in the Fig. 1.
- Remove the 2 claws marked H under the CHASSIS as shown in Fig. 3.
- Remove the AV TERMINAL BOARD slightly in the direction of arrow I as shown in Fig. 3.

### CHECKING THE PW BOARD

To check the back side of the PW Board.

- 1) Pull out the chassis. (Refer to REMOVING THE CHASSIS).
- Erect the chassis vertically so that you can easily check the back side of the PW Board.

### [CAUTION]

- When erecting the chassis, be careful so that there will be no contacting with other PW Board.
- Before turning on power, make sure that the wire connector is properly connected.
- When conducting a check with power supplied, be sure to confirm that the CRT EARTH WIRE (BRAIDED ASS'Y) is connected to the CRT SOCKET PW board.

### **WIRE CLAMPING AND CABLE TYING**

- 1. Be sure to clamp the wire.
- Never remove the cable tie used for tying the wires together. Should it be inadvertently removed, be sure to tie the wires with a new cable tie.

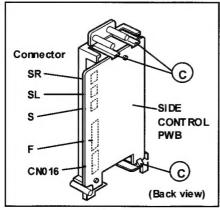


Fig. 2

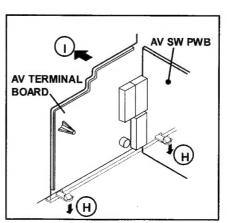


Fig. 3

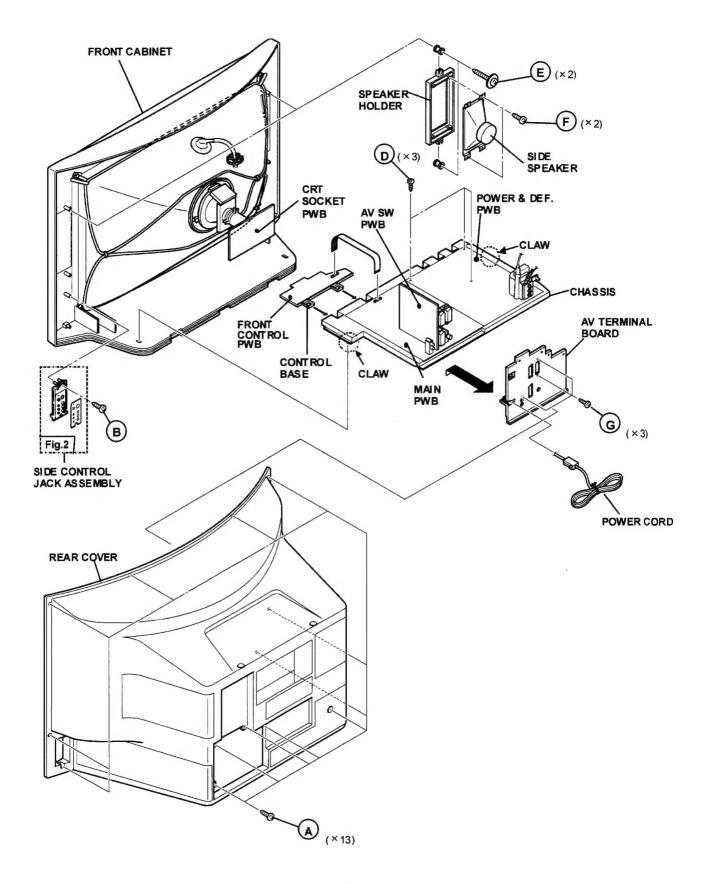


Fig. 1

### AV32R25EKS / AV32R250EKS DISASSEMBLY PROCEDURE

# REMOVING THE SUB WOOFER UNIT & THE REAR COVER

- 1. Unplug the power cord.
- Remove the SUB WOOFER CORD from the AV TERMINAL BOARD.
- Pull up the SUB WOOFER UNIT on the top of the rear cover upward.
- 4. Remove the 13 screws marked A as shown in the Fig. 4.
- 5. Withdraw the rear cover toward you.

### REMOVING THE SIDE CONTROL JACK ASSEMBLY

- After removing the rear cover.
- 1. Remove the screw marked B as shown in the Fig.1.
- While slightly raise the side control jack assembly, remove the 2 claws under the side control jack assembly.
- Disconnect the connector "SR", "SL", "S", "F" and "CN016" as shown in Fig. 5.

### REMOVING THE SIDE CONTROL PWB

- After removing the rear cover and side control jack assembly.
- Remove the 3 claws C from back side of the side control jack assembly as shown in Fig. 5.
- 2. Pull out the SIDE CONTROL PWB.

### **REMOVING THE CHASSIS**

- After removing the rear cover.
- Slightly raise the both sides of the chassis by hand and remove the two claws under the both sides of the chassis from the front cabinet.
- Withdrawthe chassis backward. (If necessary, take off the wire clamp, connectors etc.)

### **REMOVING THE POWER & DEF. PWB**

- After removing the chassis.
- Remove the 3 screws marked D as shown in Fig. 4.
- Remove the POWER & DEF. PWB upper. (If necessary, take off the wire clamp, connectors etc.)

### REMOVING THE CENTER SPEAKER

- After removing the rear cover and chassis.
- 1. Remove the 2 screws marked E as shown in Fig. 4.
- 2. Remove the center speaker. If necessary, detach the cables.

### REMOVING THE SIDE SPEAKER

- · After removing the rear cover.
- Remove the 2 screws marked F, and remove the speaker holder as shown in Fig. 4.

NOTE: When removing the screws marked F of the speaker holder remove the lower side screw first, and then remove the upper one.

- 2. Remove the 2 screws G attaching the speaker.
- 3. Follow the same steps when removing the other hand speaker.

### **REMOVING THE AV TERMINAL BOARD**

- · After removing the rear cover.
- 1. Remove the 5 screws marked H as shown in the Fig. 4.
- Remove the 2 claws marked I under the CHASSIS as shown in Fig. 6.
- Remove the AV TERMINAL BOARD slightly in the direction of arrow J as shown in Fig. 6.
- After removing the craw K on the connector for SUB WOOFER, pull out the connector for SUB WOOFER. (Fig. 7)

### **CHECKING THE PW BOARD**

To check the back side of the PW Board.

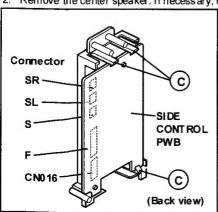
- Pull out the chassis. (Refer to REMOVING THE CHASSIS).
- Erect the chassis vertically so that you can easily check the back side of the PW Board.

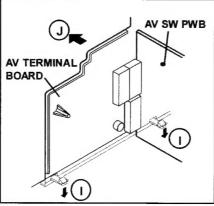
### [CAUTION]

- When erecting the chassis, be careful so that there will be no contacting with other PW Board.
- Before turning on power, make sure that the wire connector is properly connected.
- When conducting a check with power supplied, be sure to confirm that the CRT EARTH WIRE (BRAIDED ASS'Y) is connected to the CRT SOCKET PW board.

### **WIRE CLAMPING AND CABLE TYING**

- 1. Be sure to clamp the wire.
- Never remove the cable tie used for tying the wires together.
   Should it be inadvertently removed, be sure to tie the wires with a new cable tie.





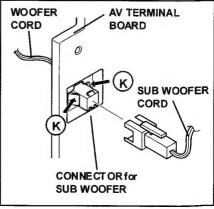


Fig. 5

Fig. 6

Fig. 7

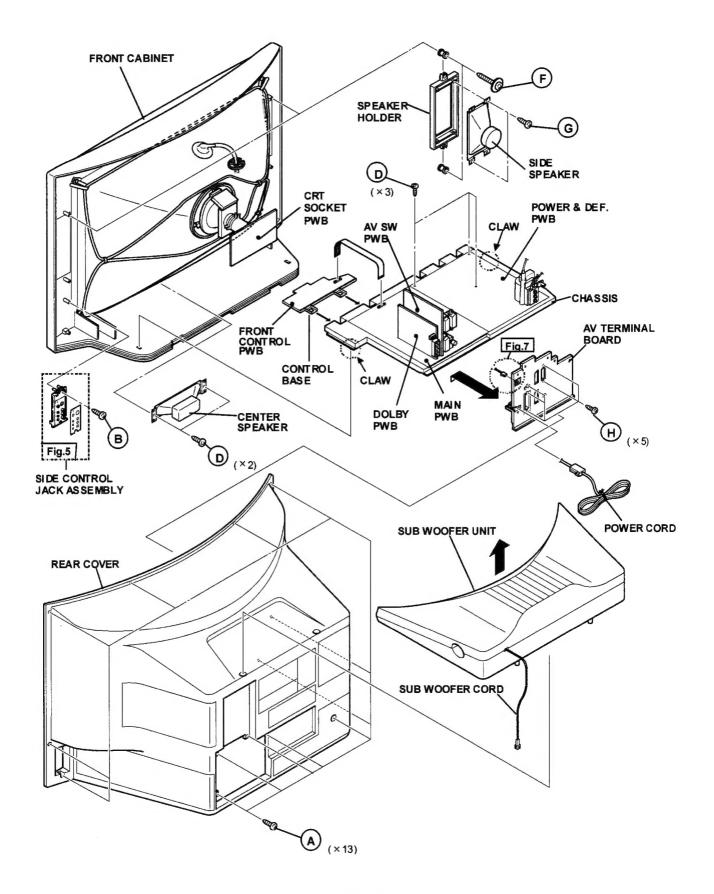


Fig. 4

### **REMOVING THE CRT**

- Replacement of the CRT should be performed by 2 or more persons.
- · After removing the cover, chassis etc.,
- Putting the CRT change table on soft cloth, the CRT change table should also be covered with such soft cloth (shown in Fig. 8).
- While keeping the surface of CRT down, mount the TV set on the CRT change table balanced will as shown in Fig.9.
- Remove 4 screws marked by arrows with a box type screw driver as shown in Fig. 9.
- Since the cabinet will drop when screws have been removed, be sure to support the cabinet with hands.
- After 4 screws have been removed, put the cabinet slowly on cloth (At this time, be carefully so as not to damage the front surface of the cabinet) shown in Fig. 10.
- The CRT should be assembled according to the opposite sequence of its dismounting steps.
- The CRT change table should preferably be smaller that the CRT surface, and its height be about 35cm.

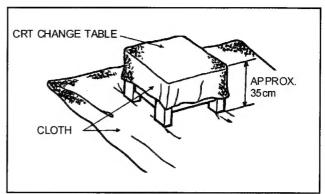


Fig. 8

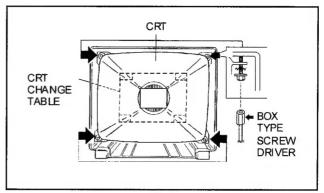


Fig. 9

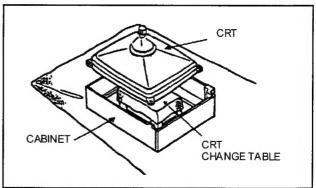
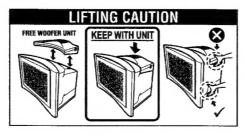


Fig. 10

### CAUTION (Only AV32R25EKS / AV32R250EKS)

- The woofer unit is mounted on the TV. Always move the TV and woofer unit together when removing the TV from the box, or when
  moving the woofer unit.
- . If the TV is tilted during movement the woofer unit may fall. Be careful to keep the TV level when moving it.
- . Do not grip the woofer unit when moving the TV.
- . Do not place objects on the woofer unit duct.



### REPLACEMENT OF CHIP COMPONENT

### **■ CAUTIONS**

- 1. Avoid heating for more than 3 seconds.
- 2. Do not rub the electrodes and the resist parts of the pattern.
- 3. When removing a chip part, melt the solder adequately.
- 4. Do not reuse a chip part after removing it.

### **■ SOLDERING IRON**

- 1. Use a high insulation soldering iron with a thin pointed end of it.
- 2. A 30 w s oldering iron is recommended for easily removing parts.

### ■ REPLACEMENT STEPS

- 1. How to remove Chip parts
- Resistors, capacitors, etc
  - As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



(2) Shift with tweezers and remove the chip part.



### ♦ Transistors, diodes, variable resistors, etc

(1) Apply extra solder to each lead.



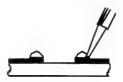
(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



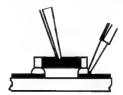
Note: After removing the part, remove remaining solder from the pattern.

### 2. How to install Chip parts

- Resistors, capacitors, etc
  - (1) Apply solder to the pattern as indicated in the figure.



(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.



### ◆ Transistors, diodes, variable resistors, etc

- (1) Apply solder to the pattern as indicated in the figure.
- (2) Grasp the chip part with tweezers and place it on the solder.
- (3) First solder lead A as indicated in the figure.



(4) Then solder leads B and C.



### REPLACEMENT OF MEMORY IC

### 1. Memory IC

This TV use memory IC. In the memory IC, there are memorized data for correctly operating the video and deflection circuits. When replacing memory IC, be sure to use IC written with the initial values of data.

### 2. Procedure for replacing memory IC

# PROCEDURE (1) Power off Switch the power off and unplug the power cord from the outlet. (2) Replace IC. Be sure to use memory IC written with the initial data values. (3) Power on Plug the power cord into the outlet and switch the power on.

### (4) Check and set SYSTEM CONSTANT SET:

- \* It must not adjust without signal.
  - Press the INFORMATION key and the MUTING key of the REMOTE CONTROL UNIT simultaneously.
  - 2) The SERVICE MENU screen of Fig. 1 will be displayed.
  - While the SERVICE MENU is displayed, press the INFORMATION key and MUTING key simultaneously, and the SYSTEM CONSTANT SET screen of Fig. 2 will be displayed.
  - 4) Check the setting values of the SYSTEM CONSTANT SET of Table 1. If the value is different, select the setting item with the FUNCTION UP/DOWN key, and set the correct value with the FUNCTION -/+ key.
  - 5) Press the MENU key to memorize the setting value.
  - Press the INFORMATION key twice, and return to the normal screen.

### (5) Setting of receive channels

Set the receive channel.

For setting, refer to the OPERATING INSTRUCTIONS.

### (6) User settings

Check the user setting values of Table 2, and if setting value is different, set the correct value.

For setting, refer to the OPERATING INSTRUCTIONS.

### (7) Setting of SERVICE MENU

Verify the setting items of the **SERVICE MENU** of Table 3, and reset where necessary.

For setting, refer to the SERVICE ADJUSTMENTS.

### SERVICE MENU

1.IF 2. V/C 3. AUDIO 4. DEF 5. VSM PRESET 6. VPS 7. SHIPPING (OFF)

1-7: SELECT i: EXIT

Fig.1

### SYSTEM CONSTANTSET

MODEL=JL\_EURO(+, \*\*\*\*)

1. DESTINATION: EK

JVC JL EURO V00

- + OK:STORE i: EXIT

Fig.2

### NAME OF REMOTE CONTROL KEY

Names of key	key
INFORMATION	0
MUTING	<b>₩</b>
MENU	€ (×
FUNCTION UP/DOWN	(\$\$)
FUNCTION /+	<b>QQ</b>

### SETTING VALUES OF SYSTEM CONSTANT SET (TABLE 1)

Setting item	Setting content	Setting value	Setting item	Setting content	Setting value
1.DESTINATION	PEK→EI →EP	EK EI(Only AV32T25EIS)	5.COMB	YES ← NO	NO
2.DOLBY	YES ← NO	NO(AV32T***) YES(AV32R***)	6.PICTUR TILT	YES ← NO	NO
3.BBE	YES ← NO	NO	7.FLAT	YES ← NO	YES
4.TV SPEAKER	YES <b>←→</b> NO	YES	8.3-D	YES←→NO	NO

### **USER SETTING VALUES (TABLE 2)**

SOUND LEVEL	10	SUB POWER	ON
SHIPPING CHANNEL	1	ZOOM MODE	PANORAMIC

	US ER MENU SETTING				
PICT	URE SETTING	EXT SETTING			
TINT CONTRAST BRIGHT SHARP COLOUR	REFER to VSM PRESET	DUBBING	EXT-1→EXT-2		
PICTU	RE FEATURES		FEATURES		
AUTO VNR COLOUR SYSTEM 4:3 AUTO ASPECT	AUTO TV: According to preset CH EXT: AUTO PANORAMIC	SLEEP TIMER  BLUE BACK CHILD LOCK  DECODER (EXT-2)	OFF ON ID: No.**** ALL CH OFF OFF		
SOU	IND SETTING	INSTALL			
STEREO/ I·II BASS	CENTER	LANGUAGE	ENGLISH		
TREBLE	CENTER	EDIT/MANUAL	PRESET CH only		
DIGITAL SUF	RROUND (AV32R***)		The others : BLANK		
PRO LOGIC 3-D PHONIC LEVEL	CINEMA / SPORT CENTER	DEMO	OFF		

### SERVICE MENU SETTING ITEMS (TABLE 3)

Setting item	Setting value	Setting item	Setting value
1. IF	VCO	4. DEF.	1. V-SHIFT 2. V-SIZE 3. SUBTITLE 4. H-CENT 5. H-SIZE 6. EW-PIN
2. V / C	1. CUT OFF 2. DRIVE 3. BRIGHT 4. CONT. 5. COLOUR 6. HUE 7. BLACK OFFSET (Only SECAM) 8. SHARP		7. TRAPEZ 8. EW. COR. L 9. EW. COR. H 10. V. S-COR 11. V- LIN 12. H-BLK-R 13. H-BLK-L 14. V-EHT 15. H-EHT 16. EHT-GAIN
		5. VSM PRESET COOL NORMAL WARM	1. BRIGHT 2. CONT. 3. COLOUR 4. SHARP 5. HUE 6. R DRIVE 7. B DRIVE
3. AUDIO (Do not adjust)	1. ERROR LIMIT 2. A2 ID THR 3. BASS	6. VPS (Do not adjust)	VPS PDC WSS
	4. TREBLE	7. SHIPPING (Do not adjust)	ON/OFF

No. 51968

# SERVICE ADJUSTMENTS

### BEFORE STARTING SERVICE ADJUSTMENT

- There are 2 ways of adjusting this TV: One is with the REMOTE CONTROL UNIT and the other is the conventional method using adjustment parts and components.
- The setting (adjustment) using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
- Make sure that connection is correctly made to AC power source.
- Turn on the power of the TV and measuring instrument for warming up for at least 30 minutes before starting adjustment.
- If the receive or input signal is not specified, use the most appropriate signal for adjustment.

- Never touch parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.
- Preparation for adjustment (presetting):
   Unless otherwise specified in the adjustment items, preset the following functions with the REMOTE CONTROL UNIT:

### Setting position

PICTURE MODE (VSM)	NORMAL	
SLEEPTIMER	OFF	
BALANCE	CENTER	
ZOOM	PANORAMIC	

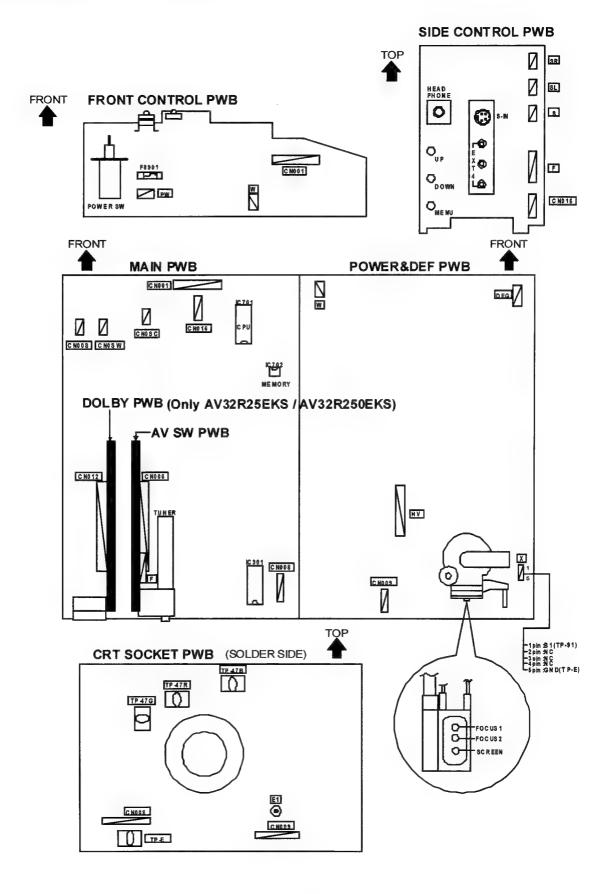
### **MEASURING INSTRUMENT AND FIXTURES**

- 1. DC voltmeter (or digital voltmeter)
- 2. Oscilloscope
- 3. Signal generator (Pattern generator) [PAL / NTSC]
- 4. Remote control unit

### ADJUSTMENT ITEMS

- B1 POWER SUPPLY check.
- HIGH VOLTAGE check.
- FOCUS Adjustment.
- IF circuit adjustment.
- VSM preset adjust setting.
- VIDEO / CHROMA circuit adjust ment.
- DEFLECTION circuit adjustment.
- H BLANKING adjustment.
- AUDIO circuit adjustment. (Do not adjust)

### **ADJUSTMENT LOCATIONS**



No. 51968

### **BASIC OPERATION SERVICE MENU**

### 1. TOOL OF SERVICE MENU OPERATION

Operate the SERVICE MENU with the REMOTE CONTROL UNIT.

### 2. SERVICE MENU ITEMS

With the SERVICE MENU, various settings (adjustments) can be made, and they are broadly classified in the following items of settings (adjustments):

(1) 1. IF ...... This mode adjusts the setting values of the IF circuit.

(2) 2.V/C ······ This mode adjusts the setting values of the VIDEO / CHROMA circuit.

(3) 3. AUDIO ...... This mode adjusts the setting values of the multiplicity SOUND circuit. (Do not adjust)

(4) 4. DEF ...... This mode adjusts the setting values of the DEFLECTION circuit for each as pect mode given below.

REGULAR (50/60 Hz)
PANO RAMIC (50/60 Hz)
14:9 ZOOM (50/60 Hz)
16:9 ZOOM (50/60 Hz)
16:9 SUB TITLE (50/60 Hz)
FULL (50/60 Hz)

(5) 5.VSM PRESET ..... This mode adjusts the initial setting values of COOL, NORMAL and WARM.

(VSM: Video Status Memory)

(6) 6.VPS ...... This mode shows the monitor of the VPS, PDC and WSS. (Do not adjust)

(VPS: Video Program System, PDC: Program Delivery Code, WSS: Wide Screen Signalling)

(7) 7.SHIPPING · · · · · This menu is set at shipping. (Do not adjust)

### 3. BASIC OPERATION OF SERVICE MENU

### (1) How to enter SERVICE MENU

Press the INFORMATION key and the MUTING key of the REMOTE CONTROL UNIT simultaneously, and the SERVICE MENU screen of Fig. 1 will be displayed.

### SERVICE MENU

\$ERVICE MENU

1. IF 2. V/C
3. AUDIO 4. DEF
5. VSM PRESET 6. VPS
7. SHIPPING (OFF)

1-7: SELECT i: EXIT

Fig.1

### (2) Selection of SUB MENU SCREEN

Press one of keys  $1\sim7$  of the REMOTE CONTROL UNIT and select the SUB MENU SCREEN (See Fig. 3), form the SERVICE MENU.

SERVICE MENU → SUB MENU

1. IF

2. V / C

3. AUDIO

4. DEF.

5. VSM PRESET

6. VPS

7. SHIPPING

### **NEME OF REMOTE CONTOROL KEY**

Names of key	key
INFORMATION	(i)
MUTING	×
MENU	(ox
FUNCTION UP/DOWN	(3×5)
FUNCTION /+	<b>9£</b>

Fig.2

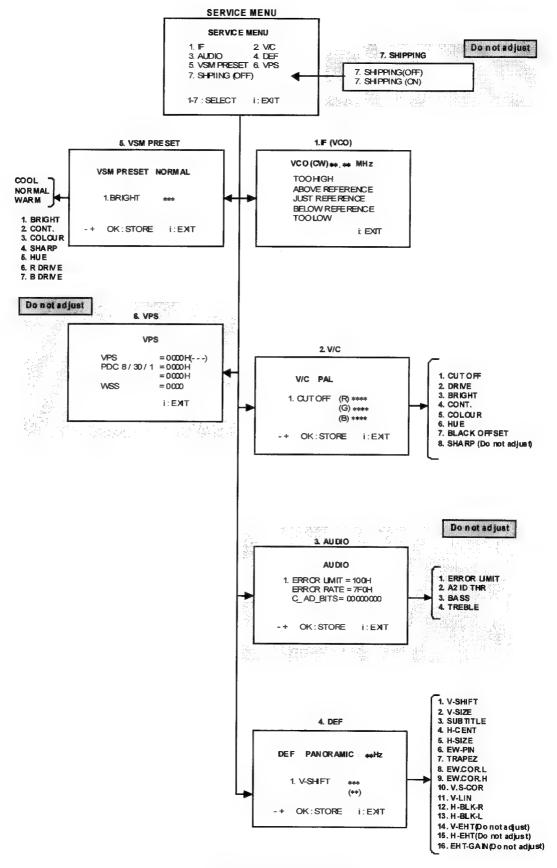


Fig. 3 SUB MENU SCREEN

No. 51968

### AV32T25EKS / AV32R25EKS AV32T55EKS / AV32R250EKS AV32T25EIS

### (3) Method of Setting

1) Method of Setting 1.1F

[VCO]

- ① 1 Key ..... Select 1.IF.
- 2 The VCO (CW) screen will be displayed in yellow when the AFC voltage is at a certain level and in blue when it is at other levels.
- ③ INFORMATION Key ..... Return to the SERVICE MENU screen.

### 2) Method of setting 2.V/C, 3.AUDIO, 4.DEF and 5.VSM PRESET.

- ① 2~5 Key····· Select one from 2 V/C, 3.AUDIO, 4.DEF and 5.VSM PRESET.
- 2 FUNCTION UP / DOWN Key · · · · Select setting items.
- ③ FUNCTION -/+····· Set (adjust) the setting values of the setting items.

(Use the number keys of the REMOTE CONTROL UNIT for setting of WHITE BALANCE.

For the setting, refer to each item concerned.)

4 MENU Key · · · · · Memorize the setting value.

(Before storing the setting values in memory, do not press the CH, TV, POWER ON / OFF key -

if you do, the values will not be stored in memory.)

5 INFORMATION Key ..... Return to the SERVICE MENU screen.

### 3) Method of setting 6.VPS and 7.SHIPPING.

6.VPS ...... This mode displayed monitor of VPS, PDC, WSS. (Do not adjust)

7.SHIPPING ...... When the MAIN POWER is turned on with the state of SHIPPING ON, you get a mode that

initializes every existing set value including language selection. Because this mode is set at the  $\,$ 

factory upon completion of the adjustment, you need not to use it for service.

(Do not adjust in this mode.)

### (4) Release of SERVICE MENU

1) After completing the setting, return to the SERVICE MENU, then again press the INFORMATION key.

### **ADJUSTMENTS**

### CHECK ITEM

ltem	Measuring instrument	Test point	Ad justment part	Description
B1 POWER SUPPLY Check	Signal generator  DC voltmeter  Remote control unit	TP-91(B1) TP-E(♣) [X connector on POWER DEF PWB]		<ol> <li>Receive a any broadcast.</li> <li>Push the "ZOOM" key and select the FULL mode.</li> <li>Select 2.V/C from the SERVICE MENU.</li> <li>Select 1. CUT OFF with Function UP/DOWN key.</li> <li>Show one horizontal line with the 1 key.</li> <li>Turn the SCREEN VR, the whole black screen display.</li> <li>Connect a DC voltmeter to TP-91(B1) and TP-E(→).</li> <li>Make sure that the voltage is DC143.0V±2.0V.</li> <li>Readjust the SCREEN VR to appear the horizontal line faintly, and cancel the horizontal line to press the 2 key.</li> </ol>
HIGH VOLTAGE Check	Signal generator DC volunteer Remote control unit	CRT anode Chass is GND		<ol> <li>Receive a any broadcast.</li> <li>Push the "ZOOM" key and select the FULL mode.</li> <li>Select 2.V/C from the SERVICE MENU.</li> <li>Select 1.CUT OFF with Function UP/DOWN key.</li> <li>Show one horizontal line with the 1 key.</li> <li>Turn the SCREEN VR, the whole black screen display.</li> <li>Connect a DC voltmeter to CRT ANODE and chassis GND.</li> <li>Make sure that the voltage is DC 31.0kV -1.5kV</li> <li>Readjust the SCREEN VR to appear the horizontal line faintly, and connect the horizontal line to press 2 key.</li> </ol>

### **FOCUS ADJUSTMENT**

ltem	Measuring instrument	Test point	Ad justment part		Description
Ad justment of	Signal		FOCUS 1	1.	Receive a cross-hatch signal.
FOCUS	generator		FOCUS 2	2.	Push the "ZOOM" key and select the FULL mode.
	FOCUS 2		[In FBT]	3.	By turning the FOCUS2 VR, and adjust the picture so that the "O " part vertical line may become thinnest.
Š	g <b>-</b>			4.	By turning the FOCUS1 VR, and adjust the picture so that the 3rd horizontal line from the upper may become uniform at the line center and its periphery.
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ı		5.	Carry out adjustment by repeating the steps 3 and 4 above.
	•	ı		6.	Make sure that when the screen is darkened, the lines remain
	ŏ-   r	FOCUS2(F2) FOCUS1(F1) SCREEN1 (SI)		•	in good focus.

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### IF CIRCUIT ADJUSTMENT

item	Measuring instrument	Test point	Ad justment part	Description
Ad justment of VCO	VCC(CW) **** ** M TCO H G-H ABOVE REFERENCE JUST REFERENCE BELOW REFERENCE TCO LOW  i: Ex	E Œ	YELLOW	Under normal conditions, no adjustment is required. Receive any broadcast. Select 1.IF from the SERVICE MENU. Check the characters colour of the JUST REFERENCE displayed to yellow.

### VSM PRESET ADJUST SETTING

ltem	Measuring instrument	Test point	Adjustment part	Description						
Setting of /SMIPRESET	Remote control unit		1. BRIGHT 2. CONT. 3. COLOUR 4. SHARP 5. HUE 6. R DRIVE 7. B DRIVE	<ol> <li>Select 5.VSM PRESET from the SERVICE MENU.</li> <li>Select COOL with the MENU key of the remote control uni</li> <li>Adjust the FUNCTION UP/DOWN and -/+ key to bring the values of 1.BRIGHT ~ 7.B DRIVE to the values shown in table.</li> <li>Press the MENU key and memorize the set value.</li> <li>Respectively select the VSM PRESET mode for NORMAL WARM, and make similar adjustment as in 3 above.</li> <li>Press the MENU key and memorize the set value.</li> <li>Refer to OPERATING INSTRUCTIONS for the PICTURE MODE.</li> </ol>						
			VS Setting item	M preset mode	COOL	NORM AL	WARM			
			1. BRIGHT SETTING	VALUE	+0	+0	+0			
			2. CONT. SETTING	VALUE	/ALUE +12	+10	+2			
				3. COLOUR SETTING VALUE  4. SHARP SETTING VALUE		+0	-2			
						+0	-2			
			5. HUE SETTING	VALUE	+0	+0	+0			
			6. R DRIVE SETTING	VALUE	-20	+0	+16			
			7. B DRIVE		+23	+0	-13			
			SETTING	VALUE		. 0	'`			

### VIDEO / CHROMA CIRCUIT ADJUSTMENT

The setting (adjustment) using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.

Setting Ite (Adjustment I		Initial setting value
	R	-100
1. CUTOFF	G	-100
	В	-100
2. DRIVE	R	+0
2. DRIVE	В	+0
3. BRIGHT		+0
4. CONT.		-10

Colour	system	Initial setting value				
Setting item		PAL	NT SC 3.58 NT SC 4.43			
5. COLOUR		+5	+5			
6. HUE			+2			
7. BLACK OFFSET	R-Y					
(SECAM Only) (Do not adjust)	B-Y					
8. SHARP (Do not adjust)		-20	<b>-</b>			

Item	Measuring instrument	Test point	Adjustment part	Description
H.	CUTOFF▼ G C	NE OFF  UTOFFA B CU	TOFF▼	<ul> <li>Set the PICTURE MODE to NORMAL.</li> <li>1. Receive a black and white signal (colour off).</li> <li>2. Select 2.V/C from the SERVICE MENU.</li> <li>3. Select 1.CUT OFF with the FUNCTION UP/DOWN key.</li> <li>4. Push the "ZOOM" key and select the "REGULAR" mode.</li> <li>5. Show one horizontal line with the 1 key.</li> <li>6. Gradually turn the SCREEN VR from the left end to the right direction to bring one of the red, green or blue colour faintly visible.</li> <li>7. Press 4~9 key, and bring out the other 2 colours and make one horizontal line visible in white.</li> <li>8. Turn the SCREEN VR and bring one white horizontal line faintly visible.</li> <li>9. Press 2 key, turn off 1.CUT OFF screen.</li> <li>10. Press the MENU key and memorize the set value.</li> <li>NOTE: This adjustment is done by the REGULAR mode.</li> </ul>

ltem	Measuring instrument	Test point	Ad justment part	Description
Adjustment of WHITE BALANCE (High Light)	Signal generator  Remote control unit  REMOTE CO  1 2  RDRME 4 5  RDRME 7 8	B DRIVE V	2 DRIVE (R) * * * (B) * * *	<ul> <li>The adjustment for Low Light WHITE BALANCE should be finished.</li> <li>Set the PICTURE MODE to NORMAL.</li> <li>Receive a black and white signal (colour off).</li> <li>Push the "ZOOM" key and select the "PANORAMIC" mode.</li> <li>Select 2.V/C from the SERVICE MENU.</li> <li>Select 2.DRIVE with the FUNCTION UP/DOWN key.</li> <li>Change the screen colour to white with 4 key or 7 key (Drive of Red), 6 key or 9 key (Drive of Blue).</li> <li>Press the MENU key, and memorize the set values.</li> </ul>
Adjustment of SUB BRIGHT	Remote control unit		3. BRIGHT	<ol> <li>Receive any broadcast.</li> <li>Push the "ZOOM" key and select "PANORAMIC" mode.</li> <li>Select 2.V/C from the SERVICE MENU.</li> <li>Select 3.BRIGHT with the FUNCTION UP/DOWN key.</li> <li>Set the initial setting value with the FUNCTION -/+ key.</li> <li>If the brightness is not the best with the initial setting value, make fine adjustment until you get the best brightness.</li> <li>Press the MENU key and memorize the set value.</li> </ol>
Adjustment of SUB CONTRAST	Remote control unit		4.CONT.	<ol> <li>Receive any broadcast.</li> <li>Push the "ZOOM" key and select the "PANORAMIC" mode.</li> <li>Select 2.V/C from the SERVICE MENU.</li> <li>Select 4.CONT with the FUNCTION UP/DOWN key.</li> <li>Set the initial setting value with the FUNCTION ++ key.</li> <li>If the contrast is not the best with the initial setting value, make fine adjustment until you get the best contrast.</li> <li>Press the MENU key and memorize the set value.</li> </ol>

ltem	Measuring instrument	Test point	Adjustment part	Des cription
Adjustment of SUB COLOUR I	Remote control unit		5.COLOUR (PAL~NTSC) PAL COLOUR	<ul> <li>[Method of adjustment without measuring instrument]</li> <li>(PAL COLOUR)</li> <li>1. Receive PAL broadcast.</li> <li>2. Push the "ZOOM" key and select the "PANORAMIC" mode.</li> <li>3. Select 2.V/C from the SERVICE MENU.</li> <li>4. Select 5.COLOUR with the FUNCTION UP/DOWN key.</li> <li>5. Set the initial setting value for PAL COLOUR with the FUNCTION - or + key.</li> <li>6. If the colour is not the best with the initial set value, make fine adjustment until you get the best colour.</li> <li>7. Press the MENU key and memorize the set value.</li> </ul>
			NTSC COLOUR	<ul> <li>(NTSC 3.58 COLOUR)</li> <li>1. Input a NTSC 3.58 MHz COMPOSITE VIDEO signal from the EXT terminal.</li> <li>2. Make similar fine adjustment of NTSC 3.58 COLOUR in the same manner as for above.</li> <li>(NTSC 4.43 COLOUR)</li> <li>1. When NTSC 3.58 is set, NTSC 4.43 will be automatically set at the respective values.</li> </ul>

ltem	Measuring instrument	Test point	Adjustment part	Description
Adjustment of SUB COLOUR II	Signal generator Oscilloscope Remote control unit	TP-47B TP-E(\$\pm\$) [CRT SOCKET PWB]  (A) (+)	5.COLOUR (PAL~NTSC)  PAL COLOUR  NTSC COLOUR	[Method of adjustment using measuring instrument]  (PAL COLOUR)  1. Receive a PAL full field colour bar signal (75% white).  2. Push the "ZOOM" key and select the "PANORAMIC" mode.  3. Select 2.V/C from the SERVICE MENU.  4. Select 5.COLOUR with the FUNCTION UP/DOWN key.  5. Set the initial setting value of PAL COLOUR with the FUNCTION - or + key.  6. Connect the oscilloscope between TP-47B and TP-E(++) on the CRT SOCKET PWB.  7. Adjust PAL COLOUR and bring the value of (A) in the illustration to the values as shown given billow table (Voltage difference between white (W) and blue (B)).  8. Press the MENU key and memorize the setting value.  VOLTAGE (W-B)  +2V  (NTSC 3.58 COLOUR)  1. Input a NTSC 3.58 MHz COMPOSITE VIDEO signal (full field colour bar with 75% white) from the EXT terminal.  2. Set the initial setting value of NTSC 3.58 COLOUR with the FUNCTION -/+ key.  3. Adjust NTSC 3.58 COLOUR and bring the value of (A) in the illustration to the values as shown given billow table (Voltage difference between white (W) and blue (B)).  4. Press the MENU key and memorize the setting value.  VOLTAGE (W-B)  0V  (NTSC 4.43 COLOUR)  1. When NTSC 3.58 is set, NTSC 4.43 will be automatically set at the respective values.

Item	Measuring instrument	Test point	Adjustment part	Description
Ad justment of	Remote control unit		6. HUE	[Method of adjustment without measuring instrument]
SUB HUE I			NTSC 3.58 HUE	<ol> <li>Input a NTSC 3.58MHz COMPOSITE VIDEO signal (full field colour bar with 75% white) from the EXT terminal.</li> <li>Push the "ZOOM" key and select the "PANORAMIC" mode.</li> <li>Select 2.V / C from the SERVICE MENU.</li> <li>Select 6. HUE with the FUNCTION UP/DOWN key.</li> <li>Set the initial setting value of NTSC 3.58 HUE with the FUNCTION -/+ key.</li> <li>If you cannot get the best hue with the initial setting value, make fine adjustment until you get the best hue.</li> <li>Press the MENU key and memorize the set value.</li> </ol>
	i i		NTSC 4.43 HUE	[NTSC 4.43 HUE]  1. When NTSC 3.58 is set, NTSC 4.43 will be automatically set at the respective values.
Ad justment	Signal generator	TP-47B TP-E(♣)	6. HUE	[Method of adjustment using measuring instrument]
SUB HUE II	Oscilloscope Remote control unit	[CRT SOCKET PWB]	NTSC 3.58 HUE	[NTSC 3.58 HUE]  1. Input a NTSC 3.58MHz COMPOSITE VIDEO signal (full field colour bar with 75% white) from the EXT terminal.  2. Select 2.V/C from the SERVICE MENU.  3. Select 6. HUE with the FUNCTION UP/DOW N key.
		(B)	······ †	4. Set the initial setting value of NTSC 3.58 HUE with the FUNCTION - or + key. 5. Connect the oscilloscope between TP-47B and TP-E(录) on the CRT SOCKET PWB. 6. Adjust NTSC 3.58 HUE to bring the value of (B) in the illustration to the values shown given billow table (voltage difference between white (W) and magenta (Mg)). 7. Press the MENU key and memorize the setting value
	W Cv I	Ma B T 	(+)	VOLTAGE (W-Mg)
				-2V
			NTSC 4.43 HUE	[NTSC 4.43 HUE] 1. When NTSC 3.58 is set, NTSC 4.43 will be automatically set at the respective values.

### **DEFLECTION CIRCUIT ADJUSTMENT**

There are 6 modes of the adjustment.

- (1) 50Hz mode ( ①PANORÁMIC ②FULL ③REGULAR ④14:9 ZOOM ⑤16:9 ZOOM ⑥16:9 ZOOM SUB TITLE)
- (2) 60Hz mode (each aspect mode) .... Depending upon the kind of signals (vertical frequency 50Hz / 60Hz ).
  - The adjustment using the remote control unit is made on the basis of the initial setting values.
- When the 50Hz PANORAMIC mode has been established, the setting of other modes will be done automatically.
- However, if the picture quality has not been optimized, adjust each mode again, respectively.

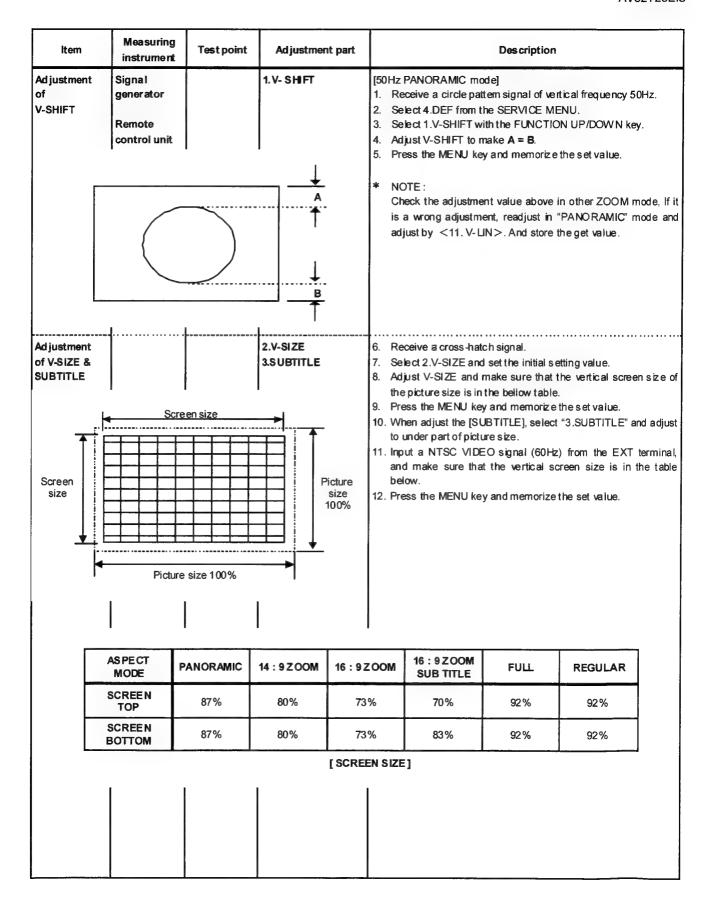
  The setting values which adjust the screen to the optimum condition can be different from the initial setting values.

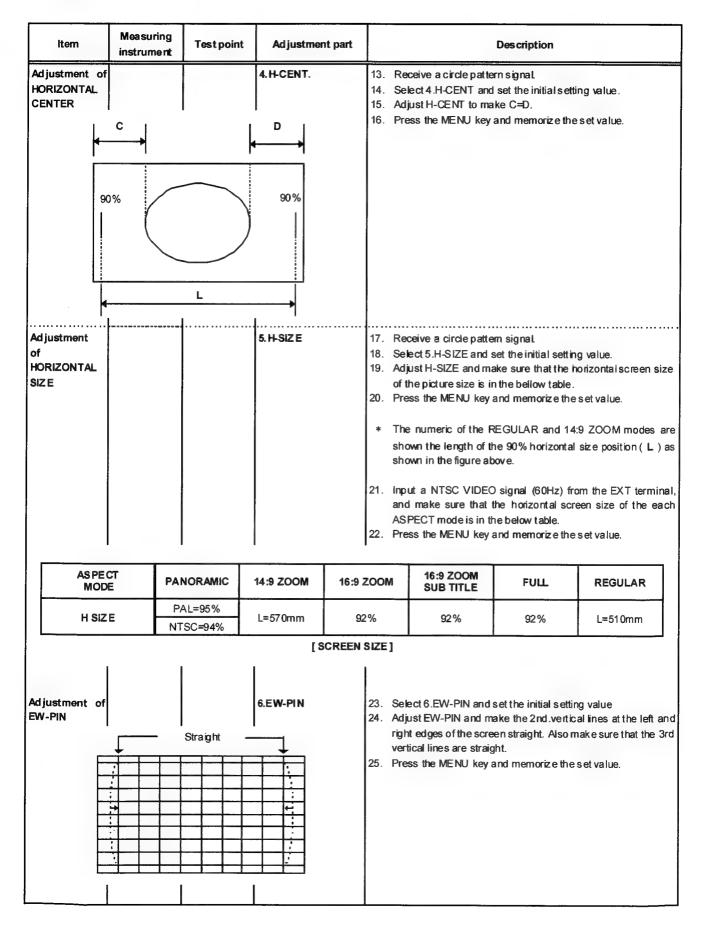
### Initial setting value (1/2)

		Initial setting value								
Setting item	Ad justment name	PANO	RAMIC	14:9	14:9 ZOOM		16:9 ZOOM		ZOOM TITLE	
		50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	
1. V-SHIFT	Vertical center	+1	-1	+0	+0	+0	+0	+0	+0	
2. V-SIZE	Vertical height	+5	-2	+9	+9	+22	+22	+28	+28	
3. SUBTITLE	SUBTITLE BOTTOM Vertical Inearity	-8	+0	+0	+0	+0	+0	+12	+12	
4. H-CENT	Horizontal center	-2	+4	+0	+0	+0	+0	+0	+0	
5. H-SIZE	Horizontal width	+0	-1	-5	-5	-3	-2	-3	-2	
6. EW-PIN	Side pin correction	-10	+0	+0	+0	+0	+0	+0	+0	
7. TRAPEZ	Trapezium distortion correction	+0	+0	+0	+0	+0	+0	+0	+0	
8. EW.COR.L	CORNER PIN correction Lowside	-8	+0	+0	+0	+0	+0	+0	+0	
9. EW.COR.H	CORNER PIN correction High side	-1	+0	+0	+0	+0	+0	+0	+0	
10.V.S-COR	Vertical height correction	+15	+0	-15	-15	-15	-15	-15	-15	
11.V-LIN	Vertical Linearity	+0	+0	+0	+0	+0	+0	+0	+0	
12.H-BLK-R	BLANKING POSITION of Right side	+0	+0	+17	+20	+0	+0	+0	+0	
13.H-BLK-L	BLANKING POSITION of Left side	+0	+0	+13	+9	+0	+0	+0	+0	
14.V-EHT (Do not adjust)	V size correction level caused by EHT change	-2	+0	+0	+0	+0	+0	+0	+0	
15.H-EHT (Do not adjust)	H size correction level caused by EHT change	-3	+0	+0	+0	+0	+0	+0	+0	
16.EHT-GAIN (Do not adjust)	Size correction gain caused by EHT change	+0	+0	+0	+0	+0	+0	+0	+0	

### Initial setting value (2/2)

			Initial set	ting valu	9	
Setting item	Ad justment nam e	FL	JLL.	REGULAR		
		50 Hz	60 Hz	50Hz	60 Hz	
1. V-SHIFT	Vertical center	+0	+0	+0	+0	
2. V-SIZE	Vertical height	-13	-13	-11	-11	
3. SUBTITLE	SUBTITLE BOTTOM Vertical Inearity	+0	+0	+0	+0	
4. H-CENT	Horizontal center	+0	+0	+0	+0	
5. H-SIZE	Horizontal width	-3	-2	-15	-15	
6. EW-PIN	Side pin correction	+0	+0	+0	+0	
7. TRAPEZ	Trapezium distortion correction	+0	+0	+0	+0	
8. EW.COR.L	CORNER PIN correction Low side	+0	+0	+0	+0	
9. EW.COR.H	CORNER PIN correction High side	+0	+0	+0	+0	
10.V.S-COR	Vertical height correction	-15	-15	-15	-15	
11.V-LIN	Vertical Linearity	+0	+0	+0	+0	
12.H-BLK-R	BLANKING POSITION of Right side	+0	+0	+17	+20	
13.H-BLK-L	BLANKING POSITION of Left side	+0	+0	+13	+9	
14.V-EHT (Do not adjust)	Vsize correction level caused by EHT change	+0	+0	+0	+0	
15.H-EHT (Do not adjust)	Hsize correction level caused by EHT change	+0	+0	+0	+0	
16.EHT-GAIN (Do not adjust)	Size correction gain caused by EHT change	+0	+0	+0	+0	





Item	Measuring instrument	Test point	Adjustment part	Description
Ad justment of TRAPEZIUM	Remote control unit	rale	7. TRAPEZ	26. Receive a cross-hatch signal.  27. Select 7.TRAPEZ with the FUNCTION UP/DOWN key.  28. Set the initial setting value of TRAPEZIUM with the FUNCTION  - or + key.  29. Adjust TRAPEZIUM and bring the VERTICAL lines at the right  and left edges of the screen parallel.  30. Press the MENU key and memorize the set value.
Adjustment of SIDE PIN CORRECTION HIGH/LOW	Signal generator Remote control unit	Str	8.EW. COR. L 9.EW. COR. H aight	<ol> <li>Select 8.EW. COR. L with the FUNCTION UP / DOWN key.</li> <li>Set the initial setting value of EW. COR. L with the FUNCTION – or + key.</li> <li>Adjust EW. COR. L, and bring the straight line at the low corner.</li> <li>Select 9.EW. COR. H with the FUNCTION UP / DOWN key.</li> <li>Set the initial setting value of EW. COR. H with the FUNCTION – or + key.</li> <li>Adjust EW. COR. H, and bring the straight line at the upper corner.</li> <li>Press the MENU key and memorize the set value.</li> </ol>
Adjustment of V.LINE ARITY & V-HEIGHT CORRECTION			10. V-S.CR 11. V-LIN  TOP  CENTER  BOTTOM	<ul> <li>When the vertical linearity has been deteriorated remarkably, perform the following steps.</li> <li>38. Receive a cross-hatch signal.</li> <li>39. Select 11.V-LIN with the FUNCTION UP / DOWN key.</li> <li>40. Set the initial setting value of 11.V-LIN with the FUNCTION -/+ key.</li> <li>41. Select 10.V-S.COR with the FUNCTION UP / DOWN key.</li> <li>42. Set the initial setting value of 10.V-S.COR with the FUNCTION -/+ key.</li> <li>43. Adjust 11.V-LIN and 10.V-S.COR so that the spaces of each line on TOP, CENTER and BOTTOM become uniform.</li> <li>NOTE: In "PANORAMIC" &amp; "16: 9 ZOOM SUBTITLE" mode, this adjustment should not be done.</li> <li>At first the adjustment in 50Hz-PANORAMIC mode should be done, then the data for the other zoom mode is corrected in the respective value at the same time. And confirm the deflection adjustment initial setting value in 60Hz PANORAMIC mode. If the adjustment in 50Hz each zoom mode has been done and stored, the data for the same aspect modes in 60Hz is corrected in the respective value. Only the data for the other aspect mode in 60Hz is corrected in the respective value. Only the data for the other aspect mode in 60Hz is corrected for itself.</li> </ul>

### H BLANKING ADJUSTMENT

ltem	Measuring instrument	Test point	Adjustment part	Description
Adjustment of HORIZONTAL BLANKING	н	H'	12.H-BLK-R 13.H-BLK-L	<ol> <li>Receive the PAL circle pattern signal.</li> <li>Select 4.DEF from the SERVICE MENU.</li> <li>Press the "ZOOM" key and select the "14:9 ZOOM" mode.</li> <li>Select 12.H-BLK-R with the FUNCTION UP/DOWN key and adjust H-BLANKING so that 92% of the picture on the right side is displayed.</li> <li>Select 13.H-BLK-L with the FUNCTION UP/DOWN key and adjust H-BLANKING so that 92% of the picture on the left side is displayed.</li> <li>Press the MENU key and memorize the set value.</li> <li>Press the "ZOOM" key and select the "REGULAR" mode.</li> <li>Select 12.H-BLK-R with the FUNCTION UP/DOWN key and adjust H'-BLANKING so that 92% of the picture on the right side is displayed.</li> <li>Select 13.H-BLK-L with the FUNCTION UP/DOWN key and adjust H-BLANKING so that 92% of the picture on the left side is displayed.</li> <li>Press the MENU key and memorize the set value.</li> </ol>

### AUDIO CIRCUIT ADJUSTMENT

• Do not touch 3.AUDIO (1.CONC LIMIT, 2.A2 IDTHR, 3.ALC, 4.BASS, 5.TREBLE) of the SERVICE MENU as it requires no adjustment.

### 3. AUDIO

Setting item	Variable range	fixed value
1. ERROR LIMIT( <i>Do not adjust</i> )	00H ∼ FFH	10H
2. A2 ID THR( <b>Do not adjust)</b>	00H ∼ FFH	19H
3. BASS (Do not adjust)	-17 ~ +17	+0
4. TREBLE (Do not adjust)	-17 ~ +17	+0

# **PARTS LIST**

### CAUTION

- The parts identified by the symbol are important for the safety. Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines —— in the Parts No. columns will not be supplied.
- P.W. Board Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

### ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS			CAPACITORS
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	ECAP.	Electro lytic Capa citor
PR	Plate Resistor	M CAP.	Mylar Capacitor
VR	Variable Resistor	HV CAP.	High Voltage Capacitor
HVR	High Voltage Resistor	MF CAP.	Metalized Film Capacitor
MFR	Metal Film Resistor	MM CAP.	Metalized Mylar Capacitor
MG R	Metal Glazed Resistor	MP CAP.	Metalized Polystyrol Capacitor
MP R	Metal Plate Resistor	PP CAP.	Polypropylene Capacitor
OM R	Metal Oxide Film Resistor	PS CAP.	Polystyrol Capacitor
CMFR	Coating Metal Film Resistor	TF CAP.	Thin Film Capacitor
UNF R	Non-Flammable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CHVR	Chip Variable Resistor	TAN. CAP.	Tantalum Capacitor
CH MG R	Chip Metal Glazed Resistor	CH C CAP.	Chip Ceramic Capacitor
COMP.R	Composition Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

			-	TOLER	ANCES				
F	G	J	к	М	N	R	Н	z	Р
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

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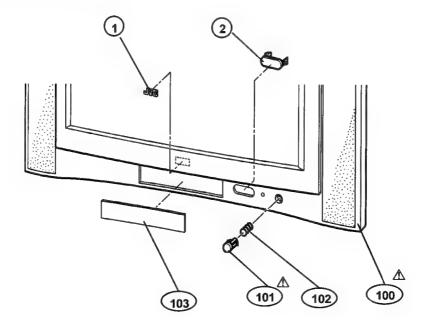
### **USING PW BOARD & REMOTE CONTROL UNIT**

PWB ASS'Y	AV32T25EKS	AV32T55EKS	AV32T25EIS	AV32R25EKS	AV32R250EKS
MAIN PWB	SJL-1004A-U2	<b>—</b>	SJL-1007A-U2	SJL-1008A-U2	<b>←</b>
POWER & DEF. PWB	SJL-2002A-U2	<del></del>	<del></del>	SJL-2004A-U2	<del></del>
CRT SOCKET PWB	SJL-3002A-U2	<b>←</b>	<b>←</b>	<del></del>	<del></del>
FRONT CONTROL PWB	SJL-8004A-U2	<b>←</b>	<b>←</b>	<del></del>	<b>—</b>
SIDE CONTROL PWB	SJL-8104A-U2	<b>←</b>	<b>←</b>	SJL-8102A-U2	<del></del>
AV SW PWB	SJL0S002A-U2	<b>←</b>	<b>←</b>	SJL0S003A-U2	<b>←</b>
DOLBY PWB				SJL0D001A-U2	<b>←</b>
REMOTE CONTROL UNIT	RM-C55H-1C	<b>←</b>	<del></del>	RM-C60H-1C	<b>←</b>

# **EXPLODED VIEW PARTS LIST (1)**

⚠ Ref.No.	Part No.	Part Name	Description
AV32T25	EKS / AV32T55EK	s	
1 1 2 ★ 100 ★ 100 ★ 101 102 103	LC41250-002C-C LC41250-001A-C LC31851-001A-C LC11360-002B-U LC11360-002A-U LC31201-003A-U AE M3149-001-E LC21065-001A-U	JVC MARK JVC MARK WINDOW F CABI ASSY F CABI ASSY POWER KNOB SPRING CENTER PANEL	[AV32T25EKS] [AV32T55EKS] Inc. No. 101~103[AV32T25EKS] Inc. No. 101~103[AV32T55EKS] (SERVICE)
AV 32T 25	EIS		
1 2 100 101 102 103	LC 412 50-001A-C LC 318 51-001A-C LC 113 60-002B-U LC 312 01-003A-U AE M31 49-001-E LC 210 65-001A-U	JVC MARK WINDOW F CABI ASSY POWER KNOB SPRING CENTER PANEL	Inc. No. 101~103 (SERVICE)

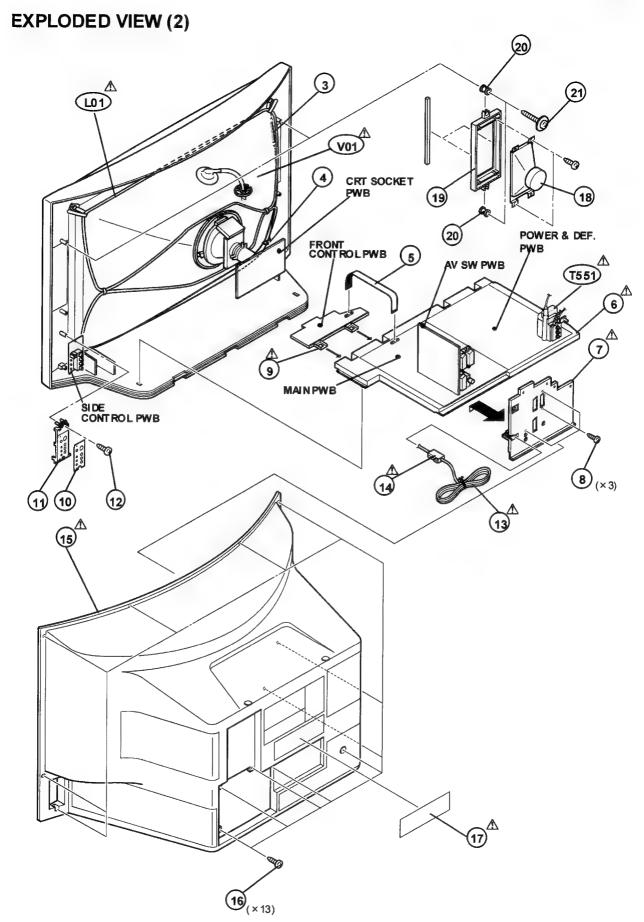
# **EXPLODED VIEW (1)**



# **EXPLODED VIEW PARTS LIST (2)**

⚠ Ref.No.	Part No.	Part Name	Description
AV 32T25	EKS / AV32T55EK	S E	
⚠ V01	W7 6QD D25 7XO8	ITC	Inc. DY, PC MAGNET, WEDGE
⚠ L01	QO W01 05-001	DEG COIL	
⚠ T551	QQ H01 30-001	FBT	
3	WJ Y00 01-010A	E-BRAIDED ASSY	
4	WJY0013-002A	E-BRAIDED SUB ASSY	CN-1
5	CHFD119-14BD-N	FFC WIRE	
△ 6	LC10716-002F-U	CHASSIS BASE	
△ 7	LC11010-004A-U	AV BOARD	
8 9 10 11 12	QYSBSF3012M LC11311-002A-U LC31205-001B LC10856-001C-U	TAP SCREW CONTROL BASE CONTROL SHEET SIDE CONT BASE	(x 3)
△ 13 △ 14 △ 15	QYSBS AG4 016N QMPN1 30-185-JC CM466 18-A01-E LC113 16-001A-U	TAP SCREW POWER CORD POWER CORD CLMP REAR COVER	CN -PW
16	QY SBS AG4 016N	TAP SCREW RATING LABEL RATING LABEL SPEAKER	(x13)
↑ 17	LC 113 64-004A -U		[AV32T25EKS]
↑ 17	LC 113 64-014AU		[AV32T55EKS]
18	QA S01 09-001		SP01-02(x2)
19	LC11310-001A-U	SPEAKER ADAPTER	(x 2)
20	LC40226-003A-H	SPACER	(x 4)
21	LC40506-001A	TAP SCREW	(x 4)

<b>⚠</b> V01	W7 6QD D25 7XO8	ITC	Inc. DY. PC MAGNET, WEDGE
<b>⚠</b> L01	QQ WO1 05-001	DEG COIL	motor; romman, module
<b>1</b>	QQH0130-001	FBT	
3	WJY0001-010A	E-BRAIDED ASSY	
<b>4</b> 5	WJY0013-002A CHFD119-14BD-N	E-BRAIDED SUB ASSY FFC WIRE	CN-1
<b>⚠</b> 6 <b>⚠</b> 7	LC10716-002F-U LC11010-004A-U	CHASSIS BASE AV BOARD	
8 <b>A</b> 9	GYSBSF3012M LC11311-002A-U	TAP SCREW CONTROL BASE	(x 3)
10	LC31205-001B	CONTROL SHEET	
11	LC10856-001C-U	SIDE CONT BASE	
. 12	QYSBS AG4 016N	TAP SCREW	
<b>1</b> 3	QM PN1 30-185-JC	POWER CORD	CN-PW
<u>↑ 14</u>	CM 466 18-A01-E	POWER CORD CLMP	
<b>1</b> 5 <b>1</b> 5 <b>1</b> 5	LC11316-001A-U	REAR COVER	
16	QY SBS AG4 016N	TAP SCREW	(x 13)
<b>1</b> 7 <b>1</b> 7	LC11364-017A-U	RATING LABEL	<b>.</b>
18	QA S01 09-001	SPEAKER	SP01-02(x2)
19	LC11310-001A-U	SPEAKER ADAPTER	(x 2)
20 21	LC40226-003A-H LC40506-001A	SPACER TAP SCREW	(x 4) (x 4)



# **AV32T25EKS / AV32T55EKS**

### PRINTED WIRING BOARD PARTS LIST

### ■MAIN P.W. BOARD ASS'Y (SJL-1004A-U2)

∆ Symbol I	No. Part No.	Part Name	Description
RE	SISTOR		
R002	NRSA63J-101X	MG R	100Ω 1/16W J
R003	NRSA63J-101X	MG R	100Ω 1/16W J
R006 R007	NRSA63J-472X NRSA63J-103X	MG R MG R	4.7kΩ 1/16W J 10kΩ 1/16W J
R008	NRSA63J-103X	MG R	10kΩ 1/16W J 10kΩ 1/16W J
R011	NRSA63J-102X	MG R	1kΩ 1/16W J
R304	QRG01GJ-121	OM R	120Ω IN J
R305	NRSA63J-562X	MG R	5.6kΩ 1/16W J
R306	NRS#63J-222X	MG R	2.2kΩ 1/16W J
R307	NRSA63J-102X	MG R	1kΩ 1/16W J
R308	NRSA63J-471X	MG R	470Ω 1/16W J
R309	NRSA63J-222X	MG R	2.2kΩ 1/16W J
R310 R311	NRSA63J-391X NRSA63J-391X	MG R MG R	390Ω 1/16W J 390Ω 1/16W J
R312	NRSA63J-391X	MG R	390Ω 1/16W J 100Ω 1/16W J
R313	NRSA63J-101X	MG R	100Ω 1/16W J
R314	NRSA63J-562X	MG R	5.6kΩ 1/16W J
R316	NRSA63J-224X	MG R	220kΩ 1/16W J
R317	NRSA63J-101X	MG R	100Ω 1/16W J
R321	NRSA63J-102X	MG R	1kΩ 1/16W J
R327 R330	NRSA63J-471X NRSA63J-472X	MG R MG R	470Ω 1/16W J 4.7kΩ 1/16W J
R331	NRSA63J-152X	MG R	4.7kΩ 1/16W J 1.5kΩ 1/16W J
R332	NRSA63J-332X	MG R	3.3kΩ 1/16W J
R333	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R335	NRSA63J-273X	MG R	27kΩ 1/16W J
R336	NRSA63J-103X	MG R	10kΩ 1/16W J
R337	NRSA63J-102X	MG R	1kΩ 1/16W J
R340 R341	NRSA63J-103X	MG R	10kΩ 1/16W J
R342	NRSA63J-103X NRSA63J-152X	MG R MG R	10kΩ 1/16W J 1.5kΩ 1/16W J
R344	NRSA63J-102X	MG R	1.3kΩ 1/16W J
R345	NRSA63J-562X	MG R	5.6kΩ 1/16W J
R346	NRSA63J-333X	MG R	33kΩ 1/16W J
R401	NRSA63J-103X	MG R	10kΩ 1/16W J
R402	NRSA63J-103X	MG R	10kΩ 1/16W J
R403 R404	NRSA63J-102X	MG R	1kΩ 1/16W J
R405	NRSA63J-183X NRSA63J-223X	MG R MG R	18kΩ 1/16W J 22kΩ 1/16W J
R409	NRSA63J-OROX	MG R	0.0Ω 1/16W J
R411	NRSA63D-473X	MG R	47kΩ 1/16W D
R413	NRSA63D-223X	MG R	22kΩ 1/16W D
R414	NRSA63D-101X	MG R	100Ω 1/16W D
R415 R416	NRSA63J-562X	MG R	5.6kΩ 1/16W J
R417	NRSA63J-101X NRSA63J-223X	MG R MG R	100Ω 1/16W J 22kΩ 1/16W J
R418	NRSA63J-682X	MG R	6.8kΩ 1/16W J
R419	NRSA63J-562X	MG R	5.6kΩ 1/16W J
R420	NRSA63J-123X	MG R	12kΩ 1/16W J
R502	NRSA63J-103X	MG R	10kΩ 1/16W J
R503	NRSA63J-104X	MG R	100kΩ 1/16W J
R504 R505	NRSA63J-822X NRSA63J-221X	MG R MG R	8.2kΩ 1/16W J 220Ω 1/16W J
R506	NRSA63J-221X	MG R	220Ω 1/16W J
R507	NRSA63J-102X	MG R	1kΩ 1/16W J
R508	NRSA63J-223X	MG R	22kΩ 1/16W J
R509	NRSA63J-223X	MG R	22kΩ 1/16W J
R511	NRSA63J-OROX	MG R	0.0Ω 1/16W J
R514 R516	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R516	NRSA63J-222X NRSA63J-472X	MG R MG R	2.2kΩ 1/16W J 4.7kΩ 1/16W J
R518	NRSA63J-682X	MG R	4.7KΩ 1/16W J 6.8kΩ 1/16W J
R519	NRSA63J-562X	MG R	5.6kΩ 1/16W J
R520	NRSA63J-152X	MG R	1.5kΩ 1/16W J
R551	QRK126J-100X	C R	10Ω 1/2N J
R552	NRSA63J-124X	MG R	120kΩ 1/16W J
R553	NRSA63J-683X	MG R	68kΩ 1/16W J
R554 R555	NRSA63J-333X NRSA63J-472X	MG R MG R	33kΩ 1/16W J 4.7kΩ 1/16W J
R556	NRSA63J-154X	MG R	150kΩ 1/16W 3

REST WRS63J-562X MG R 5.6KQ 1/15W J RS58 MRS63J-562X MG R 5.6KQ 1/15W J RS50 MRS63J-502X MG R 100MC 1/15W J RS50 MRS63J-101X MG R 100MC 1/15W J RS51 MRS63J-101X MG R 100MC 1/15W J RS572 MRS63J-201X MG R 22KQ 1/15W J RS573 MRS63J-221X MG R 22KQ 1/15W J RS574 MRS63J-221X MG R 22KQ 1/15W J RS574 MRS63J-221X MG R 22KQ 1/15W J RS574 MRS63J-821X MG R 83QQ 1/15W J RS574 MRS63J-821X MG R 83QQ 1/15W J RS574 MRS63J-821X MG R 83QQ 1/15W J RS574 MRS63J-802X MG R 33KQ 1/15W J RS574 MRS63J-802X MG R 33KQ 1/15W J RS574 MRS63J-100X MG R 100KQ 1/15W J RS563 MRS63J-100X MG R 100KQ 1/15W J RS563J-100X MG R 100KQ 1/15W J RS563J-100X MG R 100KQ 1/15W J RS563 MRS63J-100X MG R 100KQ 1/15W J RS563J-100X MG R 100KQ 1/15W J RS563J	∆ Symbol N	o. Part No.	Part Name	Description
R559 RR5/63-1-562X MG R 5.6KQ 1/16W J R561 QRE(21)-100Y C R 1000 1/16W J R561 QRE(21)-100Y C R 1000 1/16W J R571 RR5/83-1-01X MG R 1000Q 1/16W J R571 RR5/83-1-22X MG R 20Q 1/16W J R573 RR5/83-1-22X MG R 20Q 1/16W J R673 RR5/83-1-22X MG R 82QQ 1/16W J R673 RR5/83-1-821X MG R 82QQ 1/16W J R675 RR5/83-1-682X MG R 6.8KQ 1/16W J R6625 RR5/83-1-682X MG R 6.8KQ 1/16W J R6629 RR5/83-1-04X MG R 1000Q 1/16W J R6629 RR5/83-1-04X MG R 100QQ 1/16W J R6630 RR5/83-1-03X MG R 10QQ 1/16W J R6633 RR5/83-1-03X MG R 10QQ 1/16W J R6633 RR5/83-1-03X MG R 10QQ 1/16W J R6633 RR5/83-1-03X MG R 10QQ 1/16W J R6641 RR5/83-1-23X MG R 10QQ 1/16W J R6641 RR5/83-1-23X MG R 10QQ 1/16W J R6651 RR5/83-1-23X MG R 10QQ 1/16W J R6651 RR5/83-1-03X MG R 10QQ 1/16W J R6773 RR5/83-1-03X MG R 10QQ 1/16W J R709 RR5/83-1-03X M	RES	SISTOR		
R550	R557 R558			5.6kΩ 1/16W J
R551				
R571				
R573				
R574	R572			
R625 MRS/631-682X MG R				
R626				
R630 MRS/63J-103X MG R 100k2 1/16W J R631 MRS/63J-103X MG R 10k1 1/16W J R637 MRS/63J-103X MG R 10k1 1/16W J R637 MRS/63J-103X MG R 10k0 1/16W J R637 MRS/63J-103X MG R 10k0 1/16W J R641 MRS/63J-103X MG R 10k0 1/16W J R642 MRS/63J-473X MG R 4/k0 1/16W J R642 MRS/63J-622X MG R 8.2k0 1/16W J R643 MRS/63J-153X MG R 4/k0 1/16W J R643 MRS/63J-153X MG R 2/k0 1/16W J R644 MRS/63J-153X MG R 2/k0 1/16W J R645 MRS/63J-222X MG R 2.2k0 1/16W J R646 MRS/63J-223X MG R 2/k0 1/16W J R646 MRS/63J-123X MG R 2/k0 1/16W J R647 MRS/63J-101X MG R 1000 1/16W J R650 MRS/63J-101X MG R 1000 1/16W J R651 MRS/63J-101X MG R 1000 1/16W J R651 MRS/63J-101X MG R 1000 1/16W J R651 MRS/63J-103X MG R 12k0 1/16W J R651 MRS/63J-681X MG R 1000 1/16W J R657 MRS/63J-681X MG R 600 1/16W J R673 MRS/63J-681X MG R 600 1/16W J R673 MRS/63J-681X MG R 600 1/16W J R673 MRS/63J-681X MG R 600 1/16W J R675 MRS/63J-103X MG R 10k1 1/16W J R675 MRS/63J-103X MG R 10k1 1/16W J R677 MRS/63J-103X MG R 10k1 1/16W J R700 MRS/63J-103X MG R 10k1 1/16W J R700 MRS/63J-103X MG R 10k1 1/16W J R701 MRS/63J-103X MG R 10k1 1/16W J R702 MRS/63J-103X MG R 10k1 1/16W J R701 MRS/63J-103X MG R 10k1 1/16W J R701 MRS/63J-103X MG R 10k1 1/16W J R702 MRS/63J-103X MG R 10k1 1/16W J R702 MRS/63J-103X MG R 10k1 1/16W J R702 MRS/63J-103X MG R 10k1 1/16W J R703 MRS/63J-103X MG R 10k1 1/16W J R704 MRS/63J-103X MG R 10k1 1/1				100kΩ 1/16W J
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R731 MRSA63J-183X MG R 18k\(\circ\) 1/16\(\text{I}\) J R732 MRSA63J-477X MG R 4.7\(\circ\) 1/16\(\text{I}\) J R733 MRSA63J-472X MG R 4.7\(\circ\) 1/16\(\text{I}\) J R734 MRSA63J-472X MG R 4.7\(\circ\) 1/16\(\text{I}\) J R734 MRSA63J-223X MG R 22\(\circ\) 1/16\(\text{I}\) J R735 MRSA63J-223X MG R 22\(\circ\) 1/16\(\text{I}\) J R736 MRSA63J-223X MG R 22\(\circ\) 1/16\(\text{I}\) J R737 MRSA63J-103X MG R 10\(\circ\) 1/16\(\text{I}\) J R738 MRSA63J-103X MG R 10\(\circ\) 1/16\(\text{I}\) J R739 MRSA63J-103X MG R 10\(\circ\) 1/16\(\text{I}\) J R739 MRSA63J-33X MG R 3.3\(\circ\) 1/16\(\text{I}\) J R740 MRSA63J-33X MG R 3.3\(\circ\) 1/16\(\text{I}\) J R741 MRSA63J-101X MG R 10\(\circ\) 1/16\(\text{I}\) J R742 MRSA63J-223X MG R 3.9\(\circ\) 1/16\(\text{I}\) J R743 MRSA63J-23X MG R 3900 1/16\(\text{I}\) J R743 MRSA63J-391X MG R 3900 1/16\(\text{I}\) J R744 MRSA63J-471X MG R 4700 1/16\(\text{I}\) J R744 MRSA63J-471X MG R 4700 1/16\(\text{I}\) J R744 MRSA63J-471X MG R				
R732				18kΩ 1/16w J
R734				4.7kΩ 1/16W J
R735 NRSA63J-223X MG R 22km 1/16W J R736 NRSA63J-223X MG R 22km 1/16W J R737 NRSA63J-103X MG R 10km 1/16W J R738 NRSA63J-103X MG R 10km 1/16W J R739 NRSA63J-473X MG R 47km 1/16W J R740 NRSA63J-332X MG R 3.3km 1/16W J R741 NRSA63J-101X MG R 100m 1/16W J R742 NRSA63J-101X MG R 22km 1/16W J R743 NRSA63J-233X MG R 22km 1/16W J R744 NRSA63J-391X MG R 3900 1/16W J R744 NRSA63J-391X MG R 3900 1/16W J R744 NRSA63J-471X MG R 4700 1/16W J				
R736 NRSA63J-223X MG R 22kg 1/16W J R737 NRSA63J-103X MG R 10kΩ 1/16W J R738 NRSA63J-103X MG R 10kΩ 1/16W J R739 NRSA63J-33X MG R 47kΩ 1/16W J R740 NRSA63J-332X MG R 3.3kΩ 1/16W J R741 NRSA63J-101X MG R 10Qn 1/16W J R742 NRSA63J-101X MG R 22kg 1/16W J R743 NRSA63J-223X MG R 22kg 1/16W J R744 NRSA63J-391X MG R 390Ω 1/16W J R744 NRSA63J-471X MG R 470Ω 1/16W J				
R738 NRSA63J-103X MG R 10kΩ 1/16W J R739 NRSA63J-473X MG R 47kΩ 1/16W J R740 NRSA63J-333X MG R 3,3kΩ 1/16W J R741 NRSA63J-101X MG R 100Ω 1/16W J R742 NRSA63J-223X MG R 22kΩ 1/16W J R743 NRSA63J-391X MG R 390Ω 1/16W J R744 NRSA63J-471X MG R 470Ω 1/16W J	R736	NRSA63J-223X	MG R	22kΩ 1/16W J
R739 NRSA63J-473X MG R 47kΩ 1/16W J R740 NRSA63J-332X MG R 3.3kΩ 1/15W J R741 NRSA63J-101X MG R 100Ω 1/16W J R742 NRSA63J-223X MG R 22kΩ 1/16W J R743 NRSA63J-231X MG R 39kΩ 1/16W J R744 NRSA63J-471X MG R 47kΩ 1/16W J				
R740 NRSA63J-332X MG R 3.3K2 1/16W J R741 NRSA63J-101X MG R 1000 1/16W J R742 NRSA63J-223X MG R 22k0 1/16W J R743 NRSA63J-391X MG R 3900 1/16W J R744 NRSA63J-471X MG R 4700 1/16W J				
R741 MRSA63J-101X MG R 100Ω 1/16W J R742 MRSA63J-223X MG R 22kΩ 1/16W J R743 MRSA63J-391X MG R 390Ω 1/16W J R744 MRSA63J-471X MG R 470Ω 1/16W J		NRSA63J-332X		3.3kΩ 1/16W J
R743 NRSA63J-391X WG R 390Ω 1/16W J R744 NRSA63J-471X MG R 470Ω 1/16W J	R741	NRSA63J-101X	MG R	100Ω 1/16W J
R744 NRSA63J-471X MG R 470Ω 1/16W J				
	_			
K/45 NK21/16W J	R745	NRSA63J-182X	MG R	1.8KQ 1/16W J

Δ Symbol No.	Part No.	Part Name	Description
RES	ISTOR		
R746 R747 R748 R749 R750 R751 R752 R753 R757 R758 R759 R760 R761 R762 R763 R764 R765 R7666 R767 R7768 R769 R7700 R771 R772 R773	NRSA63J-473X NRSA63J-682X NRSA63J-682X NRSA63J-223X NRSA63J-223X NRSA63J-103X NRSA63J-103X NRSA63J-102X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-473X NRSA63J-473X NRSA63J-104X NRSA63J-104X NRSA63J-103X NRSA63J-104X NRSA63J-104X NRSA63J-104X NRSA63J-221X	MG R	47kΩ 1/16W J 6.8kΩ 1/16W J 15kΩ 1/16W J 22kΩ 1/16W J 22kΩ 1/16W J 5.6kΩ 1/16W J 22kΩ 1/16W J 10kΩ 1/16W J 22kΩ 1/16W J 0.0Ω 1/16W J 0.0Ω 1/16W J 0.0Ω 1/16W J 47kΩ 1/16W J 47kΩ 1/16W J 47kΩ 1/16W J 10kΩ 1/16W J
R774 R775 R776 R777 R778 R779 R780 R781 R782 R783 R784 R785 R787 R788 R789 R790 R791 R792 R793	NRS/63J-473X NRS/63J-102X NRS/63J-102X NRS/63J-102X NRS/63J-103X NRS/63J-103X NRS/63J-103X NRS/63J-103X NRS/63J-33X NRS/63J-33X NRS/63J-33X NRS/63J-332X NRS/63J-332X NRS/63J-102X NRS/63J-102X NRS/63J-102X NRS/63J-102X NRS/63J-102X	MG R R R R R R R R R R R R R R R R R R R	47kΩ 1/16W J 1kΩ 1/16W J 1kΩ 1/16W J 1kΩ 1/16W J 1kΩ 1/16W J 1.5kΩ 1/16W J 1.5kΩ 1/16W J 10kΩ 1/16W J 10kΩ 1/16W J 10kΩ 1/16W J 10kΩ 1/16W J 33kΩ 1/16W J 180kΩ 1/16W J 33kΩ 1/16W J 33kΩ 1/16W J 33kΩ 1/16W J 10kΩ 1/16W J
C001 C002 C004 C005 C006 C007 C008 C009 C011 C012 C013 C301 C302 C303 C304 C305 C306 C307 C308 C309 C311 C312 C312 C313 C314 C315 C319 C319 C319 C320 C321 C322	NCB31HK-222X QETMLHM-106Z NCB31CK-104X QETMLCH-108Z NCB31K-103X QETMLHM-106Z QETMLHM-106Z QETMLHM-106Z NCB31K-103X NCB31K-103X NCB31K-103X NCB31K-103X NCB31K-103X NCB31K-103X QETMLEM-476Z NCB31HK-103X QETMLCH-107Z NCB31KC-104X NCB31CK-104X	C CAP. C	2200pf 50V K 10pf 50V M 0.1pf 16V M 1000pf 16V M 0.01pf 50V M 0.1pf 50V M 0.1pf 50V M 0.1pf 50V M 10pf 50V M 0.01pf 50V K 0.01pf 50V K 0.01pf 50V K 0.01pf 16V K 470pf 16V M 0.01pf 50V K 100pf 16V M 12pf 50V K 12pf 50V M 0.01pf 50V K 100pf 50V K 10pf 50V M 0.01pf 50V K 10pf 50V M 0.01pf 50V M

Δ	Symbol No.	Part No.	Part Name	Description
_		ACITOR		
	C323 C324 C325 C326 C327 C328 C327 C328 C339 C330 C331 C332 C333 C404 C401 C403 C404 C405 C406 C407 C408 C501 C502 C503 C504 C505 C506 C507 C508 C506 C507 C508 C509 C510 C511 C5512 C515 C516 C5515 C516 C5517 C619 C620 C633 C634 C637 C6639 C640 C642 C643	NCB31CK-104X QETMLHH-105Z QETMLHH-105Z QETMLHH-105Z QETMLHH-105Z QETMLHH-105Z QETMLHH-105Z QETMLHH-105Z QETMLHH-105Z QETMLHH-105Z NCB31HK-103X QETMLHH-105Z QETMLHH-106Z	CEEEECCECCHMMCECCEECCMMCCCCECCCCCCCCCCC	0.1µF 16V K 1.0µF 50V M 1.0µF 50V M 1.0µF 50V M 1.0µF 50V M 4.7µF 50V M 4.7µF 50V M 39pF 50V J 39pF 50V J 1.0µF 50V M 0.01µF 50V M 0.01µF 50V M 0.01µF 50V K 100µF 50V K 1.0µF 50V K 0.01µF 50V M 10µF 50V M
	C637 C638 C639 C640 C641 C642	QETNICH-227Z QETNIHH-106Z QETNIHH-106Z QETNIHH-106Z QETNIHH-106Z QETNIHH-106Z	E CAP. E CAP. E CAP. E CAP. E CAP. E CAP.	220µF 16V M 10µF 50V M 10µF 50V M 10µF 50V M 10µF 50V M 10µF 50V M

▲ Symbol No.	Part No.	Part Name	Description
CAP C710 C711 C712	QETNLAM-107Z QETNLAM-227Z QETNLAM-227Z	E CAP. E CAP. E CAP.	100 <sub>1</sub> F 10V M 220 <sub>1</sub> F 10V M 220 <sub>1</sub> F 10V M
C713 C714 C715 C716 C717 C718 C721 C722 C722 C723 C724 C725	NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X QENC1EM-106Z QETN1HM-105Z QETN1HM-106Z QETN1HM-106Z QETN1HM-106Z NCB31CK-104X	C CAP. C CAP. C CAP. C CAP. BP E CAP. E CAP. E CAP. E CAP. E CAP. E CAP. C CAP. C CAP.	0.1 iF 16V K 0.1 iF 16V K 560 iF 50V J 0.1 iF 16V K 0.1 iF 16V K 10 iF 25V M 1.0 iF 50V M 10 iF 50V M 10 iF 50V M 10 iF 50V M 0.1 iF 50V M
C726 C727 C728 C729 C730 C732 C733 C734 C735 C736 C736 C737 C738 C739 C740 C741	NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-333X NDC31HJ-350X NDC31HJ-390X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-105X NCB31	€ CAP. C CAP.	0.1 if 16V K 0.1 if 16V K 0.1 if 16V K 0.030 if 29V K 150p 50V J 33pr 50V J 0.1 if 16V K 0.033 if 29V K 1000p 50V K 0.1 if 16V K 0.1 if 16V K 0.1 if 16V K 150p 50V J 1 if 10V Z 560p 50V M 1.0 if 50V M
COI		t cn .	1.0µ 504
L001 L002 L003 L301 L302 L305 L306 L501 L671	QQL244K-270Z QQL244K-100Z QQL244K-100Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-330Z QQL244K-330Z QQL244K-330Z	INDUCTOR COIL COIL COIL COIL COIL COIL HOLOTOR COIL INDUCTOR	10µН К 10µН К 4.7µН К 4.7µН К 4.7µН К 33µН К
L672 L701 L702 L703 L704 L705 L706 L707	MQL085J-100X QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-8R7Z QQL244K-8R2Z QQL244K-4R7Z	INDUCTOR COIL COIL COIL COIL COIL COIL COIL COIL	4. 7µH К 4. 7µH К 4. 7µH К 4. 7µH К 4. 7µH К 8. 2µH К 4. 7µH К
DIO			
D301 D302 D303 D304 D503 D611 D613 D616 D617 D618 D619 D620 D621 D702 D703 D704	MA3051/M/-X MA111-X MA111-X MA111-X AK04-T2 MA3330/L/-X MA3330/L/-X MA111-X	Z D MODE SI DIODE SI DIODE SI DIODE SB DIODE Z D MODE Z D MODE SI DIODE	
TRA	NSISTO	₹	
0002 0301 0302 0308 0309 0311	25C2412K/QR/-X 25A1037AK/QR/-X 25A1037AK/QR/-X DTC124EKA-X 25C2412K/QR/-X DTC124EKA-X	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR DIGI TRANSISTOR TRANSISTOR DIGI TRANSISTOR	

Symbol No.	Part No.	Part Name	Description
TRAI	NSISTO	R	
Q312 Q401 Q402 Q611 Q612 Q614 Q617 Q618 Q619 Q620 Q671 Q673 Q702 Q702 Q703 Q704 Q705 Q706 Q707 Q708 Q708 Q709 Q711 Q712 Q712 Q711	2SALD37AK/QR/- X DTC124EKA-X DTC124EKA-X DTC124EKA-X DTC124EKA-X DTC14EKA-X DTC14EKA-X 2SC112K/QR/- X DTC14EKA-X 2SALD37AK/QR/- X DTC124EKA-X 2SALD37AK/QR/- X DTC124EKA-X 2SC112K/QR/- X 2SC112K/QR/- X	TRAMSISTOR DIGI TRANSISTOR TRAMSISTOR TRAMSISTOR DIGI TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR TRAMSISTOR TRAMSISTOR TRAMSISTOR TRAMSISTOR TRAMSISTOR TRAMSISTOR TRAMSISTOR TRAMSISTOR DIGI TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR TRAMSISTOR	
IC			
IC30L IC302 IC55L IC602 IC603 IC603 IC704 IC704 IC704 IC706 IC706	TB1227CN AM5860 AM5415A-W LA6515 AM5277 NJM2701-X BA05T SDA555XFL AT24C16-28T2 EK JLC18628F-X BALST MM1478DF-X R1170H251B-X	IC I C IC	(SERVICE)
ОТНЕ	RS		
CN001 CN003 CN004 CN005 CN006 CN006 CN016 K307 LC301 TU001 X301 X701	CEMSO9-052 CEMSO7-008 0GF120C2-19 QBB1506L1-16 0GB1506L1-16 0GB150511-50 0GA2501C5-082 0GA2501C5-052 0QR0521-0022 CE47142-2222 QAUQ77-001 QAX0805-0012 QAX0669-0012	IC SOCKET IC SOCKET IC SOCKET FFC/FPC CONNE B TO B CONNE B TO B CONNE B TO B CONNE W TO B CONNE W TO B CONNE W TO B CONNE FERRITE BEADS EMI FILTER TUNER CRYSTAL CRYSTAL	

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## ■MAIN P.W. BOARD ASS'Y (SJL-1007A-U2)

	- INIVALLA L.	W. BUARD	MOO 1 (OUL-10	101 A-02)
	∆ Symbol No.	Part No.	Part Name	Docariation
	∆ Symbol No.	rait Nu.	ras E walle	Description
	RESI	STOR		
	B000	UDC465 L 464M	HC D	1000 11101 1
	R002	NRSA63J-101X	MG R	100Ω 1/16W J
	R003	NRSA63J-101X	MG R	100Ω 1/16W J
	R004	NRSA63J-101X	MG R	100Ω 1/16W J
	R005	NRSA63J-101X	MG R MG R	100Ω 1/16W J 0.0Ω 1/16W J
	R006 R007	NRSA63J-0R0X NRSA63J-222X	MG R	2.2kΩ 1/16W J
	R008	NRSA63J-102X	MG R	1kΩ 1/16W J
	R009	NRSA63J-561X	MG R	560Ω 1/16W J
	R010	NRSA63J-331X	MG R	330Ω 1/16W J
	R011	NRSA63J-102X	MG R	1kΩ 1/16W J
	R304	QRG01GJ-121	OM R	120Ω IW J
	R305	NRSA63J-562X	MG R	5.6kΩ 1/16W J
	R306	NRSA63J-222X	MG R	2.2kΩ 1/16W J
	R307	NRSA63J-102X	NG R	1kΩ 1/16W J
	R308	NRSA63J-471X	MG R	470Ω 1/16W J 2.2kΩ 1/16W J
	R309	NRSA63J-222X	MG R	
	R310	NRSA63J-391X	MG R	390Ω 1/16W J
	R311	NRSA63J-391X	MG R	390Ω 1/16W J
	R312	NRSA63J-101X	MG R	100Ω 1/16W J
	R313	NRSA63J-101X	MG R	100Ω 1/16W J
	R314	NRSA63J-562X	MG R	5.6kΩ 1/16W J 220kΩ 1/16W J
	R316	NRSA63J-224X	MG R	
	R317	NRSA63J-101X	MG R	100Ω 1/16W J
	R321	NRSA63J-102X	MG R	1kΩ 1/16W J
	R327	NRSA63J-471X NRSA63J-472X	MG R MG R	470Ω 1/16W J 4.7kΩ 1/16W J
	R330 R331	NRSA63J-152X	MG R	1.5kΩ 1/16W J
	R332	NRSA63J-332X	MG R	3.3kQ 1/16W J
	R333	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R335	NRSA63J-273X	MG R	27kΩ 1/16W J
	R336	NRSA63J-103X	MG R	10kΩ 1/16W J
	R337	NRSA63J-102X	MG R	1kΩ 1/16W J
	R340	NRSA63J-103X	MG R	10kΩ 1/16W J
	R341	NRSA63J-103X	MG R	10kΩ 1/16W J 10kΩ 1/16W J
	R342	NRS <i>A</i> 63J-152X	MG R	1.5kΩ 1/16W J
	R344	NRSA63J-102X	MG R	1kΩ 1/16W J
	R345	NRSA63J-562X	MG R	5.6kΩ 1/16W J
	R346	NRSA63J-333X	MG R	33kΩ 1/16W J
	R401	NRSA63J-103X	MG R	10kΩ 1/16W J
	R402	NRSA63J-103X	MG R	10kΩ 1/16W J
	R403	NRSA63J-102X	MG R	1kΩ 1/16W J 18kΩ 1/16W J
	R404 R405	NRSA63J-183X NRSA63J-223X	MG R MG R	18kΩ 1/16W J 22kΩ 1/16W J
	R409	NRSA63J-OROX	MG R	0.0Ω 1/16W J
	R411	NRSA63D-473X	MG R	47kΩ 1/16W D
	R413	NRSA63D-223X	MG R	22kΩ 1/16W D
	R414	NRSA63D-101X	MG R	100Ω 1/16W D
	R415	NRSA63J-562X	MG R	5.6kΩ 1/16W J
	R416	NRSA63J-101X	MG R	100Ω 1/16W J
	R417	NRSA63J-223X	MG R	22kΩ 1/16W J
	R418	NRSA63J-682X	MG R	6.8kΩ 1/16W J
	R419	NRSA63J-562X	MG R	5.6kΩ 1/16W J
	R420	NRSA63J-123X	MG R	12kΩ 1/16W J
	R502	NRSA63J-103X	MG R	10kΩ 1/16W J
	R503	NRSA63J-104X	MG R	100kΩ 1/16W J
	R504 R505	NRSA63J-822X NRSA63J-221X	MG R MG R	8.2kΩ 1/16W J 220Ω 1/16W J
	R506	NRSA63J-221X	MG R	220Ω 1/16W J 220Ω 1/16W J
	R507	NRSA63J-102X	MG R	1kΩ 1/16₩ J
	R508	NRSA63J-223X	NG R	22kΩ 1/16₩ J
	R509	NRSA63J-223X	MG R	22kΩ 1/16W J
	R511	NRSA63J-OROX	MG R	0.0Ω 1/16₩ J
	R514	NRSA63J-472X	MG R	4.7kQ 1/16W J
	R516	NRSA63J-222X	MG R	2.2kΩ 1/16W J
	R517	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R518	NRSA63J-682X	MG R	6.8kΩ 1/16W J
	R519	NRSA63J-562X	MG R	5.6kΩ 1/16W J
	R520	NRSA63J-152X	MG_R	1.5kΩ 1/16W J
	R551	QRK126J-100X	C R	10Ω 1/2W J
	R552	NRSA63J-124X	MG R	120kΩ 1/16₩ J
	R553	NRSA63J-683X	MG R	68kΩ 1/16₩ J
	R554	NRSA63J-333X	MG R	33kΩ 1/16W J
_	R555	NRSA63J-472X	MG R	4.7kΩ 1/16W J

∆ Symbol No.	Part No.	Part Name	Description
RES	ISTOR		
RES  R556 R557 R558 R560 R561 R571 R572 R573 R574 R625 R626 R629 R630 R631	NRSA63J-154X NRSA63J-562X NRSA63J-562X NRSA63J-104X QRE121J-100Y NRSA63J-101X NRSA63J-223X NRSA63J-821X NRSA63J-682X NRSA63J-682X NRSA63J-682X NRSA63J-104X NRSA63J-104X NRSA63J-104X NRSA63J-104X NRSA63J-104X	MG R MG R MG R C R MG	150KΩ 1/16W J 5.6KΩ 1/16W J 5.6KΩ 1/16W J 100KΩ 1/16W J 100Ω 1/16W J 100Ω 1/16W J 22KΩ 1/16W J 82CΩ 1/16W J 82CΩ 1/16W J 6.8KΩ 1/16W J 100KΩ 1/16W J 100KΩ 1/16W J 100KΩ 1/16W J
R633 R637 R641 R642 R643 R644 R645 R646 R647 R649 R650 R651 R651 R671	MRSA63J-103X MRSA63J-103X MRSA63J-103X MRSA63J-473X MRSA63J-822X MRSA63J-153X MRSA63J-273X MRSA63J-273X MRSA63J-101X MRSA63J-101X MRSA63J-101X MRSA63J-104X MRSA63J-104X MRSA63J-104X	MG R NG R NG R NG R NG R NG R NG R NG R N	10kΩ 1/15W J 100kΩ 1/16W J 47kΩ 1/16W J 47kΩ 1/16W J 8,2kΩ 1/16W J 15kΩ 1/16W J 2,2kΩ 1/16W J 27kΩ 1/16W J 17/16W J 10kΩ 1/16W J
R673 R674 R675 R702 R704 R705 R707 R708 R709 R710 R712 R713 R714	NRSA63J-103X NRSA63J-103X NRSA63J-472X NRSA63J-472X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-101X	NG R	68Q2 1/16W J 10Q2 1/16W J 10Q2 1/16W J 4.7K2 1/16W J 4.7K2 1/16W J 10Q2 1/16W J
R716 R717 R718 R719 R720 R721 R722 R723 R724 R725 R726 R728 R729 R730 R731	NRSA63J-101X NRSA63J-101X NRSA63J-472X NRSA63J-472X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-183X	NG R	1002 1/16W J 1002 1/16W J 4.7K2 1/16W J 4.7K2 1/16W J 4.7K2 1/16W J 2020 1/16W J 2202 1/16W J 1002 1/16W J 1002 1/16W J 1002 1/16W J 18K2 1/16W J 18K2 1/16W J
R732 R733 R734 R735 R736 R736 R737 R738 R739 R740 R741 R742 R742 R743 R744 R745 R744	NRSA63J-472X NRSA63J-472X NRSA63J-472X NRSA63J-223X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-332X NRSA63J-332X NRSA63J-332X NRSA63J-223X NRSA63J-473X NRSA63J-471X NRSA63J-473X NRSA63J-473X NRSA63J-473X NRSA63J-473X	NG R	4.7kΩ 1/16W J 4.7kΩ 1/16W J 4.7kΩ 1/16W J 2.2kΩ 1/16W J 2.2kΩ 1/16W J 1.0kΩ 1/16W J 1.0kΩ 1/16W J 1.0kΩ 1/16W J 3.3kΩ 1/16W J 3.3kΩ 1/16W J 2.2kΩ 1/16W J 3.0kΩ 1/16W J 3.0kΩ 1/16W J 2.2kΩ 1/16W J 3.9kΩ 1/16W J 3.9kΩ 1/16W J 4.7kΩ 1/16W J 4.7kΩ 1/16W J 4.7kΩ 1/16W J 6.8kΩ 1/16W J 6.8kΩ 1/16W J

∆ Symbol No.	Part No.	Part Name	Description	∆ Symbol No.	Part No.	Part Name	Description
RES	STOR			CAP	ACITOR		
R748 R749 R750 R751 R752 R753	NRSA63J-153X NRSA63J-223X NRSA63J-473X NRSA63J-562X NRSA63J-103X NRSA63J-223X NRSA63J-102X	MG R MG R MG R MG R MG R MG R	15kΩ 1/16W J 22kΩ 1/16W J 47kΩ 1/16W J 5.6kΩ 1/16W J 10kΩ 1/16W J 22kΩ 1/16W J 1kΩ 1/16W J	C327 C328 C329 C330 C331 C332 C333	QETNLHM-4752 QETNLEM-476Z NDC31HJ-390X NDC31HJ-390X QETNLHM-105Z NCB31HK-103X NCB21EK-104X	E CAP. E CAP. C CAP. C CAP. E CAP. C CAP.	4.7µF 50V M 47µF 25V M 39pF 50V J 39pF 50V J 1.0µF 50V M 0.01µF 50V K 0.1µF 25V K
R758 R759 R760 R763 R764 R765 R766 R767	NRSA63J-OROX NRSA63J-OROX NRSA63J-OROX NRSA63J-104X NRSA63J-103X NRSA63J-103X NRSA63J-103X	MG R MG R MG R MG R MG R MG R MG R	0.0Ω 1/16W J 0.0Ω 1/16W J 0.0Ω 1/16W J 82kΩ 1/16W J 100kΩ 1/16W J 10kΩ 1/16W J 2.2kΩ 1/16W J 10kΩ 1/16W J	C334 C401 C403 C404 C405 C406 C407 C408 C501	QETNLHM-106Z QETNLHM-105Z NCB31HK-103X NCB31HK-103X QETVELHJ-184Z QETVELHJ-884Z QETVELHJ-824Z NCB31HK-153X QETNLCM-107Z	E CAP. E CAP. C CAP. C CAP. MF CAP. C CAP. MF CAP. E CAP.	10µF 50V M 1.0µF 50V M 0.01µF 50V K 0.01µF 50V K 0.01µF 50V K 0.18µF 50V J 0.82µF 50V J 0.015µF 50V K 100µF 16V M
R768 R769 R770 R771 R772 R773 R774 R775	NRSA63J-103X NRSA63J-183X NRSA63J-102X NRSA63J-104X NRSA63J-221X NRSA63J-273X NRSA63J-102X	MG R MG R MG R MG R MG R MG R	10kQ 1/16W J 18kQ 1/16W J 18kQ 1/16W J 1kQ 1/16W J 100kQ 1/16W J 220Q 1/16W J 47kQ 1/16W J 1kQ 1/16W J	C501 C502 C503 C504 C505 C506 C507 C508 C509	QETNICH-1077 NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-332X QETNI1H-335Z NCB31HK-103X QETNICH-108Z QFLCH-108Z QFLCH-108Z	C CAP. C CAP. C CAP. C CAP. E CAP. E CAP.	0.01µF 50V K 0.01µF 50V K 0.01µF 50V K 3300pF 50V K 3.3µF 50V M 0.01µF 50V K
R776 R777 R778 R779 R780 R781 R782 R783	NRSA63J-473X NRSA63J-102X NRSA63J-152X NRSA63J-273X NRSA63J-103X NRSA63J-103X NRSA63J-103X	MG R MG R MG R MG R MG R MG R MG R	47kΩ 1/16W J 1kΩ 1/16W J 1.5kΩ 1/16W J 27kΩ 1/16W J 10kΩ 1/16W J 10kΩ 1/16W J 10kΩ 1/16W J	C509 C510 C511 C512 C513 C514 C515 C516	QFLC1HJ-823Z NCB31HK-103X NCB31HK-103X QTMMLHM-105X QETMLCM-228Z NCB31HK-103X QEVF1HJ-394Z NCB31HK-103X	N CAP. C CAP. C CAP. E CAP. C CAP. C CAP. C CAP. C CAP. HF CAP. C CAP.	1000µF 16V M 0.082µF 50V J 0.01µF 50V K 0.01µF 50V K 1.0µF 50V M 2200µF 16V M 0.01µF 50V J 0.01µF 50V J 0.01µF 50V K
R784 R785 R787 R788 R789 R790 R791	NRSA63J-333X NRSA63J-184X NRSA63J-333X NRSA63J-332X NRSA63J-103X NRSA63J-102X NRSA63J-152X	MG R MG R MG R MG R MG R MG R	10kQ 1/16W J 33kQ 1/16W J 18kQ 1/16W J 33kQ 1/16W J 3.3kQ 1/16W J 10kQ 1/16W J 1.5kQ 1/16W J 1.5kQ 1/16W J	C551 C552 C553 C554 C555 C571 C617	NCF31CZ-224X NCF31CZ-224X QETWLEM-4762 NCF31CZ-224X NCF31CZ-224X NCB31HK-103X QETWLHM-106Z	C CAP. C CAP. E CAP. C CAP. C CAP. C CAP. E CAP.	0.22µF 16V Z 0.22µF 16V Z 47µF 25V M 0.22µF 16V Z 0.22µF 16V Z 0.01µF 50V K 10µF 50V M
R792 R793	NRSA63J-103X NRSA63J-102X	MG R MG R	10kΩ 1/16W J 1kΩ 1/16W J	C619 C620	QETNLHM-106Z QETNLHM-107Z	E CAP. E CAP.	10μF 50V M 100μF 50V M
CAPA	CITOR			C621 C628 C630	QETMLVM-228 QETMLEM-108Z QETMLEM-108Z	E CAP. E CAP. F CAP	2200µF 35V M 1000µF 25V M 1000µF 25V M
C001 C002 C004 C005 C006 C007 C008 C009 C010 C011 C012 C013 C301 C302 C303 C304 C305 C306 C307 C308 C309 C310 C311 C312 C312 C312 C313 C314 C315 C312 C312 C313 C314 C315 C316 C317 C317 C318 C319 C319 C319 C319 C319 C319 C319 C319	NCB31HK-222X QETM4HH-106Z NCB31HK-103X QETM4HH-106Z NCB31HK-103X QETM4HH-106Z NCE31HK-103X QETM4HH-106Z NCE31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X QETM6HH-105Z NCB31HK-103X QETM6H-107Z NCB31HK-103X NCB31CK-104X	C C C C C C C C C C C C C C C C C C C	2200pf 50V K 10jf 50V M 0.1jf 16V M 0.01jf 50V M 0.01jf 50V M 0.01jf 50V M 0.1jf 16V K 10jf 50V M 0.1jf 50V M 0.01jf 50V M 0.01jf 50V K 0.01jf 50V K 0.01jf 50V K 0.01jf 16V K 0.08jf 16V K 470jf 16V M 0.01jf 50V M 100jf 16V M 0.01jf 50V M 100jf 50V M 100jf 50V M 100jf 50V M 100jf 50V M 0.01jf 50V M 100jf 16V M 0.01jf 50V M	C630 C632 C633 C634 C637 C638 C639 C640 C641 C642 C643 C644 C645 C646 C647 C648 C671 C673 C673 C674 C675 C676 C702 C703 C704 C705 C706 C706 C707 C708 C709 C710 C711 C712 C713 C714	QETMLHH-106Z NCB31HK-272X NCB31HK-272X NCB31HK-272X NCB31HK-272X NCB31HK-272X NCB31HK-272X NCB31HK-107Z NCB31KK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X QETMLAH-107Z NCB31CK-104X QETMLAH-107Z NCB31CK-104X QETMLAH-107Z NCB31CK-104X QETMLAH-107Z	E E E E E C CAP.  C CA	1000µF 25V M 10µF 50V M 10µF 50V M 220µF 16V M 220µF 16V M 10µF 50V M 27006F 50V K 4700F 50V K 4700F 50V K 470µF 50V K 0.1µF 16V K

Δ	-7	Part No.	Part Name	Description
	CAPA	CITOR		
	C715 C716 C717 C718 C721 C722 C723 C724 C725 C726 C727 C728 C727 C730 C730 C732 C732 C732 C735 C735 C737 C737 C738 C739 C737 C738 C739 C737 C737 C738 C739 C739 C739 C739 C739 C739 C739 C739	NDC31HJ-561X NCB31CK-104X NCB31CK-104X QEMCLEM-106Z QETM.HM-106Z QETM.HM-106Z QETM.HM-106Z NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31K-104X NCB31HJ-131X NDC31HJ-151X NDC31HJ-151X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31K-102X NCB31K-102X NCB31K-102X NCB31K-102X NCB31K-105X NCB31HJ-1551X	C CAP. C CAP. BP E CAP. E CAP. E CAP. E CAP. C CAP.	560pf 50V J 0.1pf 16V K 10pf 25V M 1.0pf 50V M 10pf 50V M 10pf 50V M 10pf 50V M 0.1pf 16V K 0.1pf 50V J 33pf 50V J 33pf 50V J 0.1pf 16V K 0.03pf 25V K 150pf 50V J 0.1pf 16V K 0.03pf 50V J 150pf 50V J 150pf 50V J 150pf 50V J 1pf 16V K 0.03pf 25V K 150pf 50V J
_	C741 C742	QETNLHM-105Z QETNLHM-105Z	E CAP. E CAP.	1.0µF 50V M 1.0µF 50V M
	COIL		******	
	L001 L002 L003 L301 L302 L305 L306 L501 L671 L671 L701 L701	QQL244K-270Z QQL244K-100Z QQL244K-100Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-330Z QQL244J-151Z NQL085J-100X NQL085J-100X QQL244K-4R7Z QQL244K-4R7Z	INDUCTOR COIL COIL COIL COIL COIL TOIL THOUCTOR INDUCTOR INDUCTOR COIL COIL	1Q <sub>1</sub> H К 1Q <sub>1</sub> H К 4. 7 <sub>1</sub> H К
	L703 L704 L705 L706 L707 L708	QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-8R2Z QQL244K-4R7Z	COIL COIL COIL COIL COIL	4. 7µH K 4. 7µH K 4. 7µH K 4. 7µH K 8. 2µH K 4. 7µH K
_	DIO	ÞE		
	D301 D302 D303 D304 D503 D611 D613 D616 D617 D618 D619 D620 D702 D703 D704 D705	MA3051/M/-X MA111-X MA111-X MA111-X AK04-T2 MA3330/L/-X MA111-X	Z DIDDE SI DIODE SI DIODE SI DIODE SI DIODE Z DIDDE Z DIDDE SI DIODE	
_	TRAN	15 I STO	2	
	Q001 Q002 Q301 Q302 Q308 Q309 Q311 Q401 Q401 Q402 Q611 Q612	25C2412K/QR/-X 25C2412K/QR/-X 25A1037AK/QR/-X DTC124EKA-X 25C2412K/QR/-X DTC124EKA-X 25C2412K/QR/-X DTC124EKA-X 25C2412K/QR/-X DTC124EKA-X 25C2412K/QR/-X 25A1037AK/QR/-X DTC124EKA-X	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR DIGI TRANSISTOR	

▲ Symbol No	. Part No.	Part Name	Description
TRA	NSISTO	R	
Q614 Q617 Q618 Q619 Q620 Q671 Q673 Q701 Q702 Q703 Q704 Q704 Q705 Q706 Q707 Q708 Q709 Q710 Q711 Q712 Q713	DTC124EKA-X DTC144EKA-X 25CM12K/QR/-X 25AM37AK/QR/-X 25AM37AK/QR/-X 25AM37AK/QR/-X DTC23TK-X DTC124EKA-X 25CM12K/QR/-X	DIGI TRANSISTOR DIGI TRANSISTOR TRANSISTOR DIGI TRANSISTOR TRANSISTOR TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR	
IC			
IC300 IC300 IC501 IC551 IC600 IC607 IC700 IC700 IC700 IC706 IC706 IC706	TB1227CN AM5:860 AM5:441SA-W LA6:515 AM5:277 NJM:2701-X BA0:5T SDA:55XFL AT2:4C16-28T25EK JLC156:2BF-X BA1:7805T MM1:47:8DF-X R11:70H251B-X	IC I C IC IC IC IC IC(MICRO C ROM) IC I C I C I C I C I C I C I C	(SERVICE)
ОТН	ERS		
CNOCII CNOCII CNOCII CNOCII CNOCII CNOCII CNOCII CNOCII TUCCII X701	CEM5009-052 CEM5007-008 QEF1220C2-19 QEB1506L1-16 QEB1506L1-16 QEB1506L1-16 QEB1506L1-16 QEB1506L1-16 QEB1506L1-508Z QEA2501C5-08Z QEA2501C5-08Z QEA2501C5-08Z QUEZ76-001Z QAW076-001Z QAW076-001Z QAW0669-001Z	IC SOCKET IC SOCKET FFC/FPC CONNE B TO B CONNE B TO B CONNE B TO B CONNE W TO B CONNE W TO B CONNE FERRITE BEADS EMI FILTER TUNER CRYSTAL CRYSTAL	

# AV32T25EKS / AV32T55EKS / AV32T25EIS

<b>■</b> POWER	& DEF.	P.W. BO	ARD A	SSY

Δ	2	0 <b>02A-U2)</b> Part No.	Part Name	Description
	RES	ISTOR		
	R401	QRE141J-682Y	C.R.	6.8kΩ 1/4v J 6.8kΩ 1/4v F
	R402	QRA14CF-6801Y	MF R	
	R403	QRA14CF-3091Y	MF R	3.09kΩ 1/4// F
	R404	QRA14CF-8200Y	MF R	820Ω 1/ <b>4</b> W F
	R405	QRA14CF-8200Y	MF R	820Ω 1/4W F
	R406	QRE141J-103Y	C R	· 10kΩ 1/4W J
	R407	QUY153-050Y	IM BUS WIRE	
	R409	QRE141J-103Y	C R	10kΩ 1/4W J
	R410	QRE141J-102Y	C R	1kΩ 1/4W J
	R414	QRE121J-4R7Y	C R	4.7 <sub>Ω</sub> 1/2W J
	R415	QRXOLGJ-1R8	MF R	1.8Ω 1W J
	R416	QRG01GJ-820	OM R	82Ω 1W J
	R417	QRE121J-1ROY	CR	1.0Ω 1/2W J
	R461	ORE141J-331Y	C R	330Ω 1/4W J
	R463	QRE121J-392Y		3.9kΩ 1/2W J
	R464	QRE121J-562Y	C R C R	5.6kΩ 1/2W J
	R465	QRE121J-222Y	CR	2.2kΩ 1/2W J
	R466	QRE121J-102Y	ČŘ	1kΩ 1/2w J
	R467	QRL039J-120	OM R	12Ω 3W J
	R468	ORE 121 J - 472 Y	C R	4.7kΩ 1/2W J
	R492			
	R492 R493	QRE141J-683Y ORE141J-224Y	C R C R	
N				
3	R494	QRZ9017-4R7	FR	4.7 Ω 1/4N J
	R495	QRE141J-103Y	CR	10kΩ 1/4W J
	R496	QRE141J-183Y	C R	18kΩ 1/4W J
	R497	QRE141J-153Y	C R	15kΩ 1/ <b>4</b> v J
	R501	QRE141J-561Y	C R	560Ω 1/4W J
	R502	QRE141J-222Y	C R	2.2kΩ 1/4H J
	R503	QRE121J-152Y	CR	1.5kΩ 1/2W J
	R504	QRL089J-332	OM R	3.3kΩ 3√ J
	R505	QRL039J-332	OM R	3.3kΩ 3W J
	R521	QRE121J-150Y	C R	15Ω 1/2W J
	R522	ORLOB9J-103	OM R	10kΩ 3W J
	R523	QRE121J-471Y	Č R	4700 1/2W J
1	R524	ORZ9017-4R7	FR	4.7 Ω 1/4N J
	R525	QRE141J-152Y	CR	1.5kΩ 1/4W J
	R541	QRE121J-103Y	ČŘ	10kΩ 1/2W J
	R542	QRE121J-222Y	CR	2.2kΩ 1/2k J
	R543	QRE121J-124Y		120kΩ 1/2w J
	R544	QRE121J-104Y	C R C R	100kΩ 1/2k
	R545		CR	
		QRE141J-123Y		12kΩ 1/4W J
	R546	QRE121J-104Y	C R	100kΩ 1/2w J
	R547	QRE141J-123Y	C R	12kΩ 1/ <b>4</b> W J
	R548	QRE121J-222Y	C R	2.2kΩ 1/2W J
	R551	QRT089J-1R2	MF R	1.2Ω 3W J
	R552	QRT089J-1R2	MF R	1.2Ω 3W J
	R553	QRF104K-5R6	UNF R	5.6Ω 10W K
	R554	QRZ9022-R47	FR	0.47Ω 1w K
	R555	QRZ9011-4R7	FR	4.7 Ω 1/2W J
	R561	QRL029J-220	OM R	22Ω <b>2</b> W J
	R562	QRE121J-123Y	CR	12kΩ 1/ <b>2</b> W J
	R563	QRZ0056-1032	COMP R	10kΩ 1/2W K
	R591	QRE121J-123Y	C R	12kΩ 1/2W J
	R592	QRA14CF-1201Y	MF R	1.2kΩ 1/4W F
	R593	QRE141J-183Y	CR	18kΩ 1/4W
	R594	ORE141J-222Y	ČŘ	2.2kΩ 1/4W J
	R595	QRA14CF-2102Y	MF R	21kΩ 1/4W F
	R596	QRA14CF-21021 QRA14CF-2671Y	MF R	2.67kΩ 1/4W F
	R597		C R	
	R902	QRE141 J - 273Y		
		QRE121J-331Y	C R	330Ω 1/2W J
	R903	QRF104K-3R9	UNF R	3.9Ω 10W K
	R904	QRE121J-474Y	C R	470kΩ 1/2W J
	R905	QRE121J-474Y	C R	470kΩ 1/ <b>2</b> √/ J
	R906	QUY153-050Y	IM BUS WIRE	
	R907	QRL089J-823	OM R	82kΩ 3W J
	R908	QRL089J-823	OM R	82kΩ 3₩ J
	R909	QRG089J-473	OM R	47kΩ 3N J
	R911	QRM059J-R10	MP R	0.10Ω 5W J
	R912	QRT029J-R82	MF R	0.82Ω 2M J
	11322			

Δ	Symbol No.	Part No.	Part Name	Description
_	RES:	STOR		
	R914 R916 R917 R918 R932 R934 R935	QRE121J-272Y QRE141J-103Y QRE121J-221Y QRE121J-102Y QUY153-050Y QRE141J-102Y QRE141J-223Y	C R C R C R C R IM BUS WIRE C R	2.7KΩ 1/2W J 10KΩ 1/4W J 220Ω 1/2H J 1KΩ 1/2H J 1KΩ 1/4W J 22KΩ 1/4W J
Δ	R936 R939 R941 R952 R964 R967 R976	OREM1J-103Y ORZ9017-100 OREM1J-102Y OREM1J-222Y OREM1J-222Y ORL089J-223 ORL029J-100	C R C R C R C R OM R	$\begin{array}{ccccc} 10 \text{k}\Omega & 1/4\text{k} & \text{J} \\ 10 \Omega & 1/4\text{k} & \text{K} \\ 1 \text{k}\Omega & 1/4\text{k} & \text{J} \\ 2.2 \text{k}\Omega & 1/4\text{k} & \text{J} \\ 2.2 \text{k}\Omega & 1/2\text{k} & \text{J} \\ 22 \text{k}\Omega & 3\text{k} & \text{J} \\ 10 \Omega & 2\text{k} & \text{J} \end{array}$
Δ	R991	QRZ0057-825	C R	10Ω 2W J 8.2MΩ 1W J
	CAPA	ACITOR	2	
A A A	C401 C402 C403 C404 C405 C406 C407 C408 C411 C451 C461 C462 C463 C464 C491 C520 C502 C503 C521 C522 C523 C524 C526 C527 C529 C530 C524 C526 C527 C529 C530 C521 C521 C521 C522 C523 C524 C526 C527 C529 C530 C527 C529 C530 C521 C521 C522 C523 C524 C525 C526 C527 C529 C530 C521 C521 C521 C522 C523 C524 C525 C526 C527 C529 C530 C521 C529 C530 C521 C521 C521 C521 C522 C523 C524 C525 C550 C550 C550 C550 C551 C555	QEHRLYM-227Z QETMLYM-108 QFLC2AI-683Z QFLC1HJ-683Z QFLC1HJ-683Z QFLC1HJ-105Z QFLC1HJ-372Z QFZ0337-180Z QFVC1HJ-334Z QFVC1HJ-334Z QFVC1HJ-334Z QFVC1HJ-354Z QFLC1HJ-563Z QFLC1HJ-153Z QFLC1HJ-105Z QFLC20O-45Z QFLC20O-45Z QFZ02OJ-123 QFJZ04Z QFJZ04	E CAP.  E CAP.  M CAP.  M CAP.  MF CAP.  MP CAP.	220µF 35V M 1000µF 35V M 1.000µF 35V M 1.00µF 50V J 1.0µF 50V M 47000F 50V J 1.0µF 50V J 0.33µF 50V J 0.33µF 50V J 0.33µF 50V J 0.50µH 100V J 0.1µF 50V M 10µF 50V J 10µF 25V M 100µF 50V J 10µF 25V M 150QF 50V K 1000µF 25V M 150QF 50V K
	C592 C593 C594 C901 C904 C905 C906 C907 C908 C909 C910 C912 C916 C917	QETMLEM-476Z QETMLAM-106Z QETMLAM-227Z QFZ9075-473 QCZ9054-472 QCZ9054-472 QEZ0199-227 QCBQEHK-103 QCZ0122-391 QCZ0122-681 QCB012X-102Z QETMLHM-475Z QETMLHM-475Z	E CAP. E CAP. E CAP. C CAP.	47, F 25V M 10

Δ	Symbol No.	Part No.	Part Name	Description
<b>△</b>	C918 C920 C933 C951 C952 C953 C954 C955 C956 C958 C958 C969 C970 C971 C972 C973 C974 C975 C976 C971 C975 C976 C971 C977 C977 C977 C977 C977 C977 C977	QCB3.HK-152Z QFVP.HJ-334Z QETM.VH-338 QCZCI22-561 QEZCO3-227 QCB3.HK-391Z QTMM.EH-228 QCB3.HK-391Z QTMM.CH-228 QCB3.HK-391Z QTTM.CH-228 QCB3.HK-391Z QETM.UH-338 QFVF.HJ-684Z QCZCI.20-104Z QEHR.CM-477Z QEHR.CM-477Z QETM.EM-476Z QCZCI.20-104Z QETM.EM-476Z QCZCI.20-104Z QETM.EM-476Z QCZCI.20-104Z QETM.EM-476Z QCZCI.20-104Z QETM.EM-476Z QCZCI.20-322 QCZCI.20-322 QCZCI.20-322 QCZCI.20-322 QCZCI.20-322 QCZCI.20-322 QCZCI.20-322 QCZCI.20-322 QCZCI.20-322 QCZCI.20-322 QCZCI.20-322 QCZCI.20-322 QCZCI.20-322 QCZCI.20-322	C CAP.  HF CAP.  E CAP.  C CAP.  C CAP.  E CAP.  E CAP.  C CAP.	1500pF 50V K 0.33 iF 50V J 3300 iF 35V M 5600F 25V K 220 iF 160V M 390 iF 500V K 2200 iF 25V M 390 iF 500V K 2200 iF 16V M 390 iF 500V K 3300 iF 35V M 0.68 iF 55V J 0.1 iF 25V Z 470 iF 16V M 100 iF 16V M 0.1 iF 25V Z 220 iF 16V M 47 iF 25V M 0.1 iF 25V Z 220 iF 16V M 47 iF 25V M 0.1 iF 25V Z 220 iF 16V M 47 iF 25V M 0.1 iF 25V Z 220 iF 16V M 47 iF 25V M 0.1 iF 25V Z
	TRAN	SFORME	R	
Δ	T501 T551 T561 T901	CE42034-002 QH0130-001 QR0898-001 QQS0144-001	HOR DRIVE TRANS FBT DEF TRANSF SW TRANSF	
_	COIL	_		
Δ	L461 L521 L522 L561 L901 L902 L903 L951 L952 L953 L954 L955	QQL 2027-821 QQL 2028-501 QQR1106-002 QQL 2028-472 QQL 402K-100 QQR1200-001 QQL 2026-460 QQL 26AK-820Z QQL 26AM-5R6Z QQL 26AM-5R6Z QQL 26AK-5R6Z QQL 26AK-220Z	INDUCTOR INDUCTOR LINEARITY COIL INDUCTOR COIL LINEARITY COIL LINEARITY COIL INDUCTOR COIL INDUCTOR INDUCTOR COIL	1QuH К 1Q <sub>L</sub> H К 8QuH К 2QuH К
	DIOL	ÞE		
Δ	D402 D451 D491 D492 D493 D521 D522 D523 D525 D551 D553 D593 D594 D901 D902 D904 D905 D907 D909 D911 D913 D953 D954 D951 D953 D951 D953 D951 D953 D954 D905 D957 D958 D957 D958 D957 D958 D957 D958 D957	1N4003-T2 EU2-T3 1S5133-T2 MT7.1/28-T2 1S5133-T2 1S5133-T2 1S5133-T2 1S5133-T2 RH3G-F1 RU30A-F1 EU2-T3 MT7.9.1B-T2 EU2-T3 EU2-T3 EU2-T3 EU2-T3 MTZ.J.5B-T2 MTZ.J.5B-T2 MTZ.J.5S-T2 D35B60 RG1G-LEA1 AU01Z-T2 AU01Z-T2 AU01Z-T2 AU1Z-T3 EU2-T3 EU2-T3 EU2-T3 EU2-T3 FTX.J.5B-T2 RTZ.J.5B-T2 RTZ.J.5B-T2 RTZ.J.7B-T2 RTZ.J.7B-T2 RTZ.J.7B-T2 RTZ.J.7B-T2 RTZ.J.7B-T2 RU4B-F1 EU2-T3 EU2-T3 EU2-T3 EU2-T3 EU2-T3 EXSS-400A-T2 QUY153-050Y	SI DIODE SI	

Δ	Symbol No.	Part No.	Part Name	Description
	DIOD	ÞΕ		
	D962 D963 D964 D965 D981 D982 D983 D985	QUY153-050Y MTZ.B.3B-T2 MTZ.B3B-T2 MTZ.H.3B-T2 15S133-T2 15S133-T2 15S133-T2 MTZ.J7.5C-T2	IM BUS WIRE Z DIODE Z DIODE Z DIODE SI DIODE SI DIODE SI DIODE SI DIODE Z DIODE	
	TRAN	SISTO	₹	
Δ	0402 0461 0462 0463 0501 0514 0521 0542 0543 0544 0545 0591 0592 0593 0931	2SC1740S/QR/-T 2SD140B/QY/-IB 2SA933AS/QR/-T 2SA933AS/QR/-T BSN304-T DTC124ESA-T 2SD253-LB DTC124ESA-T IRFQ20 2SK24S9N-F54 DTC124ESA-T 2SA99/Y/Z1-T DTC124ESA-T 2SC1740S/QR/-T DTC124ESA-T	TRANSISTOR POW TRANSISTOR TRANSISTOR TRANSISTOR DIGI TRANSISTOR POW TRANSISTOR POWER MOS FET POWER MOS FET POWER MOS FET DIGI TRANSISTOR	н. оит
Т	IC			
Δ	IC401 IC901 IC951 IC952 IC953 IC954	LA78041 STR-F6254/F7 SE140N BA12T BA17809T PQ05RF11	1C 1C 1C 1C 1C 1C	
	OTHE	RS		
<b>AAAA</b>	CNO® CNOOM CNOOM CNOOM CP951 CP953 CP953 K503 K504 K904 K951 K952 K953 K954 K954 K956 LF902 PC541	0GB150GH1-16 0GB150GH1-16 0GB150GH1-16 0GB350GH1-16 0GA5501C5-0GZ 0UV153-050Y 1CP-M50-Y 0RF2034-4R0Z-11 1CP-M-5-Y 0RRG821-0027 0QRG822-0017 0QRG82-0017 0QRG879-001 0QRG79-001 0QRG72-0017 0QRG821-0027 0QRG821-0027 0QRG821-0027 0QRG821-0027 0QRG821-0027 0QRG821-0027 0QRG921-0027 0QRG921-0027 0QRG921-0027 0QRG931-0027 0QRG931-0027 0QRG931-0027 0QRG931-0027 0QRG931-0027	B TO B CONNE B TO B CONNE B TO B CONNE W TO B CONNE IM BUS WIRE IC PROTECTOR FERRITE BEADS	4. QA

<b>■CRT SOCKET</b>	P.W.	<b>BOARD</b>	ASS'Y
(SJL-3002A-U	2)		

(SJL-3 ∆ Symbol No.	<b>002A-U2)</b> Part No.	Part Name	Description
RES	ISTOR		
R3100 R3100 R3100 R3100 R3100 R3100 R3110 R3110 R31110 R31	I STOR  NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-392X NRSA63J-392X NRSA63J-392X NRSA63J-392X NRSA63J-392X NRSA63J-221X NRSA63J-470X NRSA63J-470X NRSA63J-470X NRSA63J-470X NRSA63J-470X NRSA63J-470X NRSA63J-470X NRSA63J-470X NRSA63J-470X NRSA63J-101X NRSA63J-10	MGGRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR	100Ω 1/16W J 100Ω 1/16W J 100Ω 1/16W J 3.9kΩ 1/16W J 3.9kΩ 1/16W J 2.0Ω 1/16W J 4.7Ω 1/16W J 1.5kΩ 2W J 1.5kΩ 2W J 1.5kΩ 2W J 1.5kΩ 2W J 1.8kΩ 1/2W K 1.8kΩ 1/2W J 1.8kΩ 1/16W J
CAP	ACITOR		
C3100 C3100 C3100 C3100 C3100 C3100 C3110 C3111 C3111 C3111 C3111 C3310 C3300 C3300 C3300 C3300 C3311	NDC31HJ-391X NDC31HJ-391X NDC31HJ-391X NDC31HJ-391X QETMLCM-107Z QETMLEM-476Z QCZC031-222 QETM2EM-336 QETM2EM-106 NRSA63J-OROX NCB31HX-103X QETMLCM-107Z NDC31HJ-5ROX QETM2CM-106Z NDC31HJ-5ROX QETM2CM-106Z NDC31HJ-821X QES2HX-472Z NDC31HJ-561X QETM2CM-107Z QES2HX-472Z NDC31HJ-561X QETM2CM-107Z QES2HX-472Z NDC31HJ-561X QETM2CM-107Z QCS2HX-68DZ QETM2CM-107Z QCS2HX-68DZ QETM2CM-107Z QCS2HX-68DZ QETM2CM-107Z QCS2HJ-68DZ QETM2CM-107Z QETM2CM-107Z QETM2CM-107Z QETM2CM-107Z QETM2CM-107Z QETM2CM-107Z QETM1CM-337Z	C C C C C C C C C C C C C C C C C C C	390pf 50V J 390pf 50V J 390pf 50V J 390pf 50V J 100pf 16V M 47pf 25V M 10pf 50V M 2200pf 2kV K 33pf 250V M 0.0Ω 1/16W J 0.01pf 50V M 100pf 16V M 5.0pf 50V J 10pf 160V M 4700pf 500V K 10pf 160V M 820pf 50V K 10pf 160V M 820pf 50V J 10pf 160V M 820pf 50V J 10pf 160V M 820pf 50V J 10pf 16V M 68pf 50V J 100pf 16V M 68pf 50V J 100pf 16V M 68pf 50V J
L3101 L3102 L3103	QUY153-050Y QUY153-050Y QUY153-050Y	IM BUS WIRE IM BUS WIRE IM BUS WIRE	

Δ	Symbol No.	Part No.	Part Name	Description
	COIL	-		
	L3301	QQL244J-391Z	INDUCTOR	
	DIO		57 PY005	
	D3151 D3152	MA111-X MA3082/L/-X	SI DIODE Z DIODE	
	03153 03154	MA111-X HA111-X MA111-X	SI DIODE	
	D3156 D3163	MA3047/H/-X MA3150/M/-X	SI DIODE Z DIODE Z DIODE	
	D3164 D3302	15R35-400A-T2 RH15-T3	SI DIODE SI DIODE	
	D3308	RH15-T3	SI DIODE	
		VS I STO		
	03101 03102 03108	2SC1740S/QR/-T 2SC1740S/QR/-T 2SC1740S/QR/-T	TRANSISTOR TRANSISTOR TRANSISTOR	
	Q3104 Q3105	25C4544-LB 25C4544-LB	POW TRANSISTOR POW TRANSISTOR	
	Q3106 Q3151	2SC4544-LB 2SA1037AK/QR/-X	POW TRANSISTOR TRANSISTOR	
	03152 03304	2SC4682-T 2SC1740S/QR/-T	TRANSISTOR TRANSISTOR	
	03305 03306 03307	25C1740S/QR/-T 25A983AS/QR/-T	TRANSISTOR TRANSISTOR	
	Q3308	25A1837 25C4793	POWER TRANSISTO POWER TRANSISTO	
	ОТНЕ			
	CN3008 CN3009	QJK002-083633 QJK002-063631	SIN CR C-B WIRE SIN CR C-B WIRE	
Δ	FR3330 K3101 K3301	QRZ9021-561 QQR0621-002Z	F R FERRITE BEADS	560 Ω 1W J
	K3302 K3308	CE41492-001Z CE41492-001Z CE41492-001Z	CHOKE COIL CHOKE COIL	
Δ	K3304 SK3001	CE41492-001Z ONZOS74-001	CHOKE COIL CRT SOCKET	
	IFRONT	CONTROL	P.W. BOARD	ASS'Y
Δ	(SJL-80 Symbol No.	04A-U2) Part No.	Part Name	Description
_	•	STOR		333 · p 10···
	R8801	NRSA63J-561X	MG R	560Ω 1/16W J
	R8802 R8804	NRSA63J-561X NRSA63J-103X	NG R NG R	560Ω 1/16W J 10kΩ 1/16W J
_	R8851	NRSA63J-152X	MG R	1.5kΩ 1/16W J
	(885)	NCB31CK-104X	C CAP.	0.1μF 16V K
Δ	C8852 C8901	QETNICM-1072 OF 29075-474	E CAP. MPP CAP.	100 <sub>H</sub> F 16V M 0.47 <sub>H</sub> FAC275V M
_	DIOD	E	<del></del>	,
	D8801 D8851	SPR-39MVWF MA3068/M/-X	LED Z DIODE	
_	TRAN	SISTO	₹	
	08801 08802	DTA124EKA-X DTA124EKA-X	DIGI TRANSISTOR DIGI TRANSISTOR	
	0880	DTC124EKA-X	DIGI TRANSISTOR	
	IC			
_	IC8851	GP11281Q	IR DETECT UNIT	
	ОТНЕ		I EN MUI DED	
	CN8001	LC30849-001A-H CEMC002-001Z QGF1220C2-19	LED HOLDER FUSE CLIP FFC/FPC CONNE	
A	F8901 LF8901	QMF51D2-3R15J1 QQR1095-001	FUSE LINE FILTER	3.154
A	58901	QSW0824-001	PUSH SWITCH	MAIN POWER

# ■SIDE CONTROL P.W. BOARD ASS'Y (SJL-8104A-U2)

Δ	Symbol No.	Part No.	Part Name	Description
_	RESI	STOR		
	R8000 R8000 R8010 R8011 R8012 R8021 R8022 R8317	QRE121J-271Y QRE121J-271Y NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-102X NRSA63J-102X NRSA63J-750X	C R C R MG R MG R MG R MG R MG R	270Ω 1/2w J 270Ω 1/2w J 10kΩ 1/16w J 10kΩ 1/16w J 10kΩ 1/16w J 1kΩ 1/16w J 1kΩ 1/16w J 75Ω 1/16w J
	CAPA	CITOR		
	C8001 C8002 C8008 C8004 C8310 C8311 C8321	NCB31HK-103X NCB31HK-103X NCB31HK-102X NCB31HK-102X NCB31HK-472X NCB31HK-472X NCB31CK-104X	C CP. C CP. C CP. C CP. C CP. C CP. C CP.	0.01µF 50V K 0.01µF 50V K 1000µF 50V K 1000µF 50V K 4700µF 50V K 4700µF 50V K 0.1µF 16V K
	COIL	•		
	L8001 L8002 L8008 L8310 L8311 L8312	QQR0716-001Z QQL244K-5R6Z QQL244K-5R6Z QQL244K-270Z QQL244K-270Z QQR0716-001Z	FERRITE BEADS COIL COIL INDUCTOR INDUCTOR FERRITE BEADS	5. գև H K 5. գև H K
	OTHE	RS		
	CN8016 J8001 J8303 S8001 S8002 S8008	QGA2501C5-05Z QNSQL69-001 QNZQ438-001 QSWQ519-003Z QSWQ619-003Z QSWQ619-003Z	W TO B CONNE 3.5 JACK AV JACK TACT SWITCH TACT SWITCH TACT SWITCH	CH UP Menu Ch down

## ■ AV SW P.W. BOARD ASS'Y (SJL0S002A-U2)

∆ Symbol No.	Part No.	Part Name	Description
RES	ISTOR		
R0101	NRSA63J-750X	MG R	75Ω 1/16W J
R0102	NRSA63J-750X	MG R	75Ω 1/16W J
R0103	NRSA63J-750X	MG R	75Ω 1/16W J
R0104	NRSA63J-750X	MG R	75Ω 1/16W J
R0105	NRSA63J-750X	MG R	75Ω 1/16W J
R0106	NRSA63J-750X	MG R	75Ω 1/16W J
R0107	NRSA63J-750X	MG R	75Ω 1/16W J
R0108	NRSA63J-750X	MG R	75Ω 1/16W J
R0110	NRSA63J-823X	MG R	82kΩ 1/16W J
R0112	NRSA63J-823X	MG R	82kΩ 1/16W J
R0113	NRSA63J-750X		75Ω 1/16W J
R0114	NRSA63J-473X	NG R	47kΩ 1/16W J
R0115	NRSA63J-223X	NG R	22kΩ 1/16W J
R0116 R0117 R0118	NRSA63J-223X NRSA63J-823X NRSA63J-823X	MG R MG R MG R	22kΩ 1/16W J 82kΩ 1/16W J
R0119 R0120	NRSA63J-391X NRSA63J-391X	MG R MG R	82kΩ 1/16W J 390Ω 1/16W J 390Ω 1/16W J
R0123	NRSA63J-104X	MG R	100kΩ 1/16w J
R0124	NRSA63J-101X	MG R	100Ω 1/16w J
R0125	NRSA63J-101X	MG R	100Ω 1/16W J
R0126	NRSA63J-333X	MG R	33kΩ 1/16W J
R0127	NRSA63J-101X	MG R	100Ω 1/16W J
R0128	NRSA63J-103X	MG R	10kΩ 1/16W J
R0129	NRSA63J-823X	MG R	82kΩ 1/16W J
R0130	NRSA63J-473X	MG R	47kΩ 1/16W J
R0131	NRSA63J-273X	MG R	27kΩ 1/16W J
R0132	NRSA63J-153X	MG R	15kΩ 1/16W J
R0133	NRSA63J-222X	MG R	2.2kΩ 1/16W J

Δ	Symbol No.	Part No.	Part Name	Description
Т	RESI	STOR		
	R0134	NRSA63J-333X	MG R	33kQ 1/16W J
	R0135 R0136	NRSA63J-222X NRSA63J-333X	NG R NG R	2.2kΩ 1/16W J 33kΩ 1/16W J
	R0137	NRSA63J-333X	MG R	33kΩ 1/16W J
	R0138 R0139	NRSA63J-473X NRSA63J-823X	MG R MG R	47kΩ 1/16W J 82kΩ 1/16W J
	R0140	NRSA63J-103X	MG R	10kΩ 1/16W J
	R0141 R0142	NRSA63J-153X NRSA63J-223X	MG R MG R	15kΩ 1/16W J 22kΩ 1/16W J
	R0143	NRSA63J-473X	MG R	47kΩ 1/16W J
	R0144 R0146	NRSA63J-273X NRSA63J-391X	MG R NG R	27kΩ 1/16W J 390Ω 1/16W J
	R0148	NRSA63J-391X	MG R	39QΩ 1/16W J
	R0151 R0152	NRSA63J-104X NRSA63J-222X	MG R MG R	100kΩ 1/16W J
	R0153	NRSA63J-333X	MG R	33kΩ 1/16W J
	R0154 R0155	NRSA63J-222X NRSA63J-333X	MG R MG R	2.2kΩ 1/16W J 33kΩ 1/16W J
	R0156	MRSA63J-101X	MG R	33kΩ 1/16₩ J 100Ω 1/16₩ J
	R0157 R0158	NRSA63J-101X NRSA63J-101X	MG R MG R	100Ω 1/16₩ J
	R0199	NRSA63J-101X	MG R	100Ω 1/16W J 100Ω 1/16W J
	R0160 R0161	NRSA63J-101X NRSA63J-101X	MG R	100Ω 1/16W J
	R01€	NRSA63J-101X	MG R	100Ω 1/16₩ J 100Ω 1/16₩ J
	R0163 R0164	NRSA63J-101X NRSA63J-101X	MG R	100Ω 1/16₩ J
	R0165	NRSA63J-101X	MG R	100Ω 1/16₩ J 100Ω 1/16₩ J
	R0166 R0167	NRSA63J-101X NRSA63J-101X	MG R MG R	10QΩ 1/16W J
	R0168	NRSA63J-101X	MG R	100Ω 1/16W J 100Ω 1/16W J
	R01 <del>0</del> 0	NRSA63J-101X	MG R	100Ω 1/16W J
	R0170 R0171	NRSA63J-333X NRSA63J-222X	MG R MG R	33kΩ 1/16W J 2.2kΩ 1/16W J
	R0172 R0173	NRSA63J-473X NRSA63J-823X	MG R MG R	47kΩ 1/16W J
	R0174	NRSA63J-103X	NG R	82kΩ 1/16W J 10kΩ 1/16W J
	R0175 R0176	NRSA63J-153X NRSA63J-473X	MG R MG R	15kΩ 1/16W J
	R0177	NRSA63J-273X	MG R	47kΩ 1/16W J 27kΩ 1/16W J
	R0180 R0181	NRSA63J-101X NRSA63J-101X	MG R MG R	100Ω 1/16₩ J
	R0182	NRSA63J-101X	MG R	100Ω 1/16₩ J 100Ω 1/16₩ J
	R0183 R0184	NRSA63J-101X NRSA63J-333X	NG R NG R	100Ω 1/16W J
	R0185	NRSA63J-222X	MG R	33kΩ 1/16W J 2.2kΩ 1/16W J
	R0186 R0188	NRSA63J-333X NRSA63J-101X	MG R MG R	33kΩ 1/16W J 100Ω 1/16W J
-	R0189	NRSA63J-221X	MG R	2200 1/16W
	R0190 R0191	NRSA63J-221X NRSA63J-562X	MG R MG R	220Ω 1/16₩ J 5.6kΩ 1/16₩ J
ĺ	R0192	NRSA63J-562X	MG R	5.6kΩ 1/16W J
	R0198 R0194	NRSA63J-102X NRSA63J-102X	NG R NG R	1kΩ 1/16W J 1kΩ 1/16W J
	R0195	QRGOIGJ-101	OM R	100Ω IW J
	R0197 R0198	QRK126J-181X NRSA63J-750X	C R MG R	180Ω 1/2W J 75Ω 1/16W J
-	R0199	NRSA63J-101X	MG R	100Ω 1/16W J
	R0202 R0203	QRK126J-151X NRSA63J-750X	C R MG R	150Ω 1/2W J 75Ω 1/16W J
- 1	R0204	NRSA63J-750X	MG R	75Ω 1/16W J
	R0205 R0207	NRSA63J-750X NRSA63J-222X	NG R NG R	75Ω 1/16W J 2.2kΩ 1/16W J
- 1	R0208	NRSA63J-333X	MG R	33kΩ 1/16W J
	R020 <del>0</del> R0210	NRSA63J-222X NRSA63J-333X	NG R NG R	2.2kg 1/16W J 33kg 1/16W J
- 1	R0211	NRSA63J-103X	MG R	10kΩ 1/16W J
	R0212 R0606	NRSAG3J-103X Orgolgj-181	MG R OM R	10kΩ 1/16W J 180Ω 1W J
1	R0628	NRSA63J-OROX	MG R	0.0Ω 1/16W J
	R0629 R0630	NRSA63J-101X NRSA63J-101X	MG R MG R	100Ω 1/16W J 100Ω 1/16W J
ı	R0631	NRS#63J-103X	MG R	10kΩ 1/16W J
	R0632 R0633	NRSA63J-223X NRSA63J-272X	MG R MG R	22kΩ 1/16W J 2.7kΩ 1/16W J
-	R0634	NRSA63J-223X	MG R	22kΩ 1/16W J
	R0635	NRSA63J-272X	MG R	2.7kΩ 1/16W J

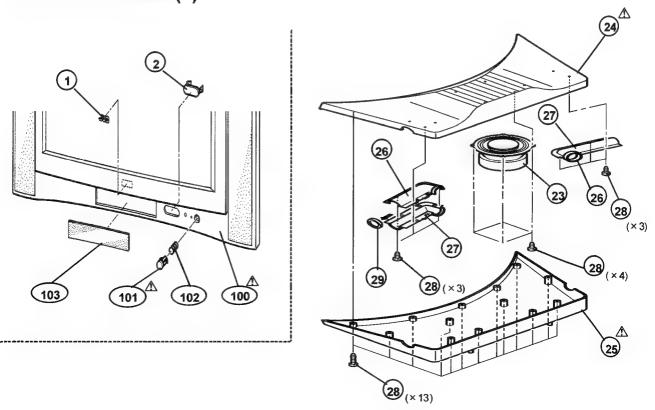
∆ Symbol No.	Part No.	Part Name	Description
RES	ISTOR		
R0636	NRSA63J-682X	MG R	6.8kΩ 1/16W J
R0638	NRSA63J-682X	MG R	6.8kΩ 1/16W J
R0639	NRSA63J-103X	MG R	10kΩ 1/16W J
R0647	NRSA63J-101X	MG R	100Ω 1/16W J
R0648	NRSA63J-101X	MG R	100Ω 1/16W J
CAP	ACITOR	2	<u> </u>
C0101	NCB31HK-152X	C CAP.	1500pF 50V K
C0102	Oetnlch-477Z	E CAP.	470μF 16V M
C0103	QETNEHM-106Z	E CAP.	10µF 50V M
C0104	QETNIHM-106Z	E CAP.	10µF 50V M
C0105	Qetnihm-106Z	E CAP.	10µF 50V M
C0106	NCB31HK-472X	C CAP.	4700F 50V K
C0107	NCB31HK-152X	C CAP.	1500F 50V K
C0108	NCB31HK-472X	C CAP.	4700pF 50V K
C0109	NCB31HK-152X	E CAP.	1500pF 50V K
C0110	Qetn1cm-477Z		470 <sub>U</sub> F 16V M
C0111 C0112	NCB31HK-472X NCB31HK-472X	C CAP. C CAP. C CAP. C CAP. C CAP.	4700pF 50V K 4700pF 50V K
C0113 C0114	NCB31HK-152X NCB31HK-472X	C CAP. C CAP. C CAP.	4700pF 50V K 1500pF 50V K 4700pF 50V K
C0115	NCB31HK-472X	C CAP.	4700pF 50V K
C0116	OETN1HM-106Z	E CAP.	
C0117	QETNIHM-106Z	E CAP.	10µF 50V M
C0118	NCB31HK-102X	C CAP.	100QpF 50V K
C0119	QETN1HM-105Z	E CAP.	1.OuF 50V M
C0120	QETNLHM-106Z	E CAP.	10µF 50V M
C0121	OETNLHM-105Z		1.0µF 50V M
C0122	NCB31HK-103X	C CAP.	0.01µF 50V K
C0123	NCB31HK-102X	C CAP.	1000pF 50V K
C0124	Qetn1HM-106Z	E CAP.	10 <sub>µ</sub> F 50V M
C0125	QETNLHM-106Z	E CAP.	10µF 50V M
C0126	Qetnlhm-105Z	E CAP.	1.0µF 50V M
C0127 C0128	QETN1HM-106Z	E CAP. E CAP.	10uF 50V M
C0129	QETNLHM-105Z QETNLHM-106Z	E CAP.	1.0µF 50V M 10µF 50V M
C0130	QETNLHM-105Z		1.0µF 50V M
C0131	NCB31HK-102X		1000bF 50V K
C0132 C0133	QETN1HM-105Z NCB31HK-103X	C CAP. E CAP. C CAP.	1.0µF 50V M 0.01µF 50V K
C0136	QETN1HM-106Z	E CAP.	10µF 50V M
C0137	QENCLEM-106Z	BP E CAP.	10μF 25V M
C0139	Qenclem-106Z	BP E CAP.	10μF 25V M
C0140	QETNLCM-107Z	E CAP.	100µF 16V M
C0141	NCB31HK-103X	C CAP.	0.01µF 50V K
C0142	NCF31AZ-105X	C CAP.	I <sub>U</sub> F 10V Z
C0143	QENCLEM-106Z	BP E CAP.	10µF 25V M
C0144	NCF31AZ-105X	C CAP.	ĺμF 10V Z
C0145	QETNLCM-107Z	E CAP.	100μF 16V M
C0146	OETNLCM-107Z	E CAP.	100μF 16V M
C0147	QETNICH-477Z	E CAP.	470/F 16V M
C0149	NCB31HK-103X	C CAP.	0.01/F 50V K
C0150	QETNLHM-106Z	E CAP.	10µF 50V M
C0151	QETNLHM-106Z	E CAP.	10µF 50V M
C0152	QETNLHM-105Z	E CAP.	1.0µF 50V M
C0153 C0154	OETNIHM-105Z	E CAP.	1.0 <sub>U</sub> F 50V M
C0154	NDC31HJ-680X	C CAP.	68pF 50V J
C0155	NDC31HJ-680X	C CAP.	68pF 50V J
C0157	NDC31HJ-680X	C CAP.	68pF 50V J
C0158 C0616	NDC31HJ-680X	C CAP.	68pF 50V J
C0617	QETNLCM-107Z	E CAP.	100μF 16V M
	NCB31CK-104X	C CAP.	0.1μF 16V K
C0618	QETNLHM-106Z	E CAP.	10μF 50V M
C0619	NCB3LCK-104X	C CAP.	0.1μF 16V K
C0620	OETNIHM-106Z	E CAP.	10uF 50V M
C0621	NCF21CZ-105X	C CAP.	
C0622	NCF21CZ-105X	C CAP.	1μF 16V Z
C0623	NCB31CK-104X	C CAP.	0.1µF 16V K
C0624	Qetn1HM-106Z	E CAP.	10µF 50V M
C0629	OETNIHM-106Z	E CAP.	10µF 50V M
C0630	NCB31HK-102X	C CAP.	1000pF 50V K
C0631	NCB31HK-102X	C CAP.	1000opF 50V K
C0632	NCB31CK-104X	C CAP.	0.1µF 16V K
C0633	QETN1HM-106Z	E CAP.	10µF 50V M
C0634	NCB31HK-103X	C CAP.	0.01µF 50V K
C0635	NCB31HK-103X	C CAP.	0.01µF 50V K
C0636 C0642	NDC31HJ-2ROX	C CAP. C CAP.	2.00F 50V J
C004Z	NDC31HJ-2R0X	LLAT.	2.0pF 50V J

∆ Symbol No.	Part No.	Part Name	Description
CAP	ACITOR		
C0645 C0646 C0648 C0649 C0653 C0653 C0653 C0653 C0659 C0669 C0660 C06677 C0677	NCB31HK-103X NCB31CK-104X QETN1CM-1077 NCB31CK-104X QETN1CM-1077 NDC31HJ-221X NCB31HK-562X QETN1EM-476Z NDC31HJ-221X NCB31HK-562X NCF21CZ-105X NCF21CZ-105X NCF21CZ-105X NCB31HK-102X NCB31HK-102X	C CAP. C CAP. E CAP. E CAP. C CAP.	0.01µF 50V K 0.1µF 16V K 100µF 16V M 0.1µF 16V M 100µF 16V M 220₱F 50V J 5600₱F 50V K 47µF 25V M 220₱F 50V J 5600₱F 50V K 1µF 16V Z 1µF 16V Z 1000₱F 50V K
COI	L		
L0114 L0608 L0605	QQRO716-001Z QRN143J-0R0X QQL244K-4R7Z	FERRITE BEADS C R COIL	0.0Ω 1/4n/ J 4.7μH K
DIO	DE		
D0101 D0102 D0103 D0104 D0105 D0105 D0107 D0108 D0109 D0111 D0111 D0112 D0112 D0160	MA3120/M/-X MA3120/M/-X MA3120/M/-X MA3120/M/-X MA3120/M/-X MA3120/M/-X MA3120/M/-X MA3120/M/-X MA3120/M/-X MA3120/M/-X MA3120/M/-X MA3120/M/-X MA3120/M/-X RA3120/M/-X RA3120/M/-X RA3120/M/-X RA3120/M/-X	Z D MDE	
TRAI	NS I STO	R	WW.
00101 00102 00103 00104 00105 00106 00107 00108 00110 00111 00112 00118 00118 00119	DTC 22 3TK - X 25A 1D 37AK/QR/- X DTC 22 3TK - X 25C 20 12K/QR/- X 25C 20 12K/QR/- X 25C 20 12K/QR/- X 25C 20 12K/QR/- X DTC 22 3TK - X DTC 22 3TK - X DTC 22 3TK - X 25C 20 12K/QR/- X 25C 20 12K/QR/- T 25C 20 12K/QR/- X 25C 20 12K/QR/- X 25C 20 12K/QR/- X 25C 20 12K/QR/- X	DIGI TRANSISTOR TRANSISTOR DIGI TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR	
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ОТНІ	ERS		
CNOCO6 JOOCE JOOCE KO1CE KO1CE KO1CE KO1CE KO1CE KO1CE LCOCO1 XO6CE LCOCO1 XO6CE	QGB1505K1-50 QNZQ465-001 QNZQ463-001 CE44X81-001Y CE4X81-001Y CE4X81-001Y NQRQB99-003X NQRQB9-003X NQRQB9-003X NQRQB9-003X CE4X546-001Z	B TO B CONNE 21P CONNECTOR 21P CONNECTOR CHIP BEAD'S CORE FERRITE BEAD'S FERRITE BEAD'S FERRITE BEAD'S FERRITE BEAD'S FERTITE BEAD'S FERTITE BEAD'S TAL	

# **EXPLODED VIEW PARTS LIST (1)**

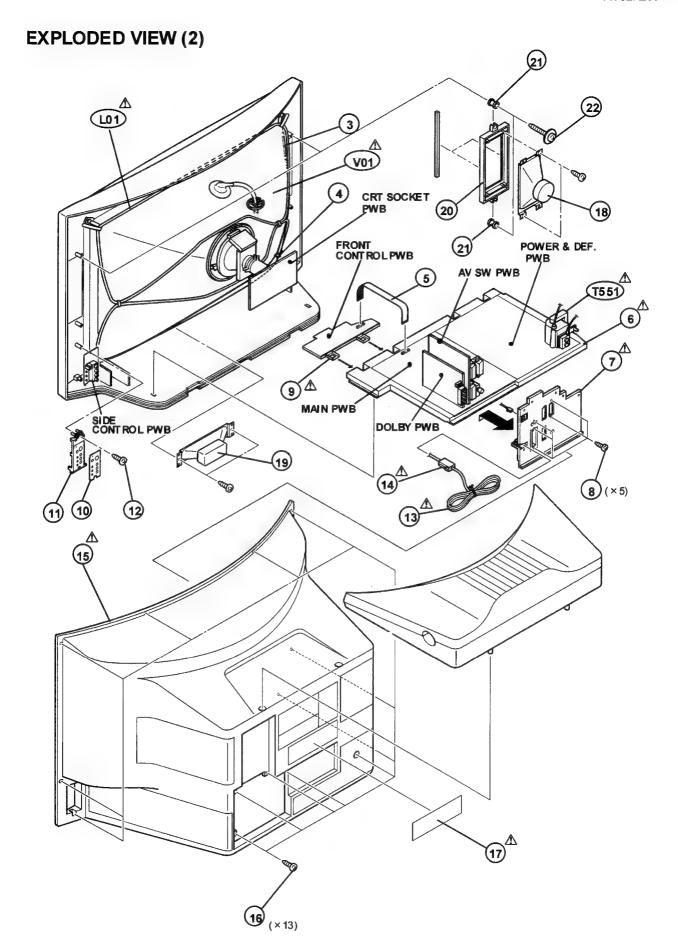
⚠ Ref.No.	Part No.	Part Name	Description
AV32R25	EKS		
1 2 100 101 102 103	LC41250-002C-C LC31851-001A-C LC11360-001B-U LC31201-003A-U AEM3149-001-E LC21031-001A-U	JVC MARK WINDOW F CABI ASSY POWER KNOB SPRING SPEAKER PANEL	Inc. No. 101~103 (SERVICE)
23 Δ 24 Δ 25 26 27 28 29	QA S00 92-001 LC 113 08-001A-U LC 113 09-001A-U GG 200 07-002C-H GG 200 07-001C-H QY SBS AG4 016N LC 319 35-001A-C	SPEAKER SP BOX T SP BOX B BASS INT. DUCT L BASS INT. DUCT R TAP SCREW PORT SPACER	(x 2) (x 2) (x 2) (x 23) (x 2)
AV32R25	DEKS		
1 2 \$\Delta\$ 100 \$\Delta\$ 101 102 103	LC 412 50-001A-C LC 318 51-001A-C LC 113 60-001A-U LC 312 01-003A-U AE M31 49-001-E LC 210 31-001A-U	JVC MARK WINDOW F CABI ASSY POWER KNOB SPRING SPEAKER PANEL	Inc. No. 101~103 (SERVICE)
23 1 24 25 26 27 28 29	QA S00 92-001 LC 113 08-001A-U LC 113 09-001A-U GG 200 07-002C-H GG 200 07-001C-H OY SBS AG4 016N LC 319 35-001A-C	SPEAKER SP BOX T SP BOX B BASS INT. DUCT L BASS INT. DUCT R TAP SCREW PORT SPACER	(x 2) (x 2) (x 2) (x 23) (x 2)

# **EXPLODED VIEW (1)**



# **EXPLODED VIEW PARTS LIST (2)**

⚠ Ref.No.	Part No.	Part Name	Description
AV32R25	EKS		
⚠ V01 ⚠ L01 ⚠ T551	W7 6QD D25 7X08 QQ W01 05-001 QQ H01 30-001	ITC DEG COIL FBT	Inc. DY, PC MAGNET, WEDGE
3 4	WJY0001-010A WJY0013-002A	E-BRAIDED ASSY E-BRAIDED SUB ASSY	
5 ▲ 6 ▲ 7	CHFD1 19-14BD-N LC10716-002F-U LC11336-001B-U	FFC WIRE CHASSIS BASE AV BOARD	CN-1
▲ 9 10 11	QYSBSF3012₩ LC11311-002A-U LC31205-001B LC10856-001C-U	TAP SCREW CONTROL BASE CONTROL SHEET SIDE CONT BASE	(x 5)
12	QY SBS AG4 016N QM PN1 30-185-JC CM 466 18-A01-E LC 113 16-001A-U	TAP SCREW POWER CORD POWER CORD CLMP REAR COVER	CN -PW
16 <b>△</b> 17	QY SBS AG4 016N LC 113 64-002A-U	TAP SCREW RATING LABEL	(x 13)
18	QA S01 09-001	SPEAK ER	SP01-02(x2)
19	QA S01 10-001	SP EAK ER	SP03
20	LC11310-001A-U	SPEAKER ADAPTER	(x 2)
21 22	LC40226-003A-H LC40506-001A	SPACER TAP SCREW	(x 4) (x 4)
AV 32R250	W7 6QD D25 7X08	ITC	Inc. DY, PC MAGNET, WEDGE
△ L01 △ T551 3 4	QQ W01 05-001 QQ H01 30-001 WJ Y00 01-010A	DEG COIL FBT E-BRAIDED ASSY	
5 Δ 6 Δ 7	WJY0013-002A QUQ212-1920CL LC10716-002F-U LC11336-001B-U	E-BRAIDED SUB ASSY FFC WIRE CHASSIS BASE AV BOARD	CN-1
			( = 5
8	QYSBSF3012M LC11311-002A-U LC31205-001B LC10856-001C-U	TAP SCREW CONTROL BASE CONTROL SHEET SIDE CONT BASE	(x 5)
12 ▲ 13 ▲ 14 ▲ 15	QYSBSAG4016N QMPN130-185-JC CM46618-A01-E LC11316-001A-U	TAP SCREW POWER CORD POWER CORD CLMP REAR COVER	CN-PW
16 <b>△</b> 17	QY SBS AG4 016N LC 113 64-015A-U	TAP SCREW RATING LABEL	(x 13)
18	QA S01 09-001	SPE AKER	SP01-02(x2)
19	QA S01 10-001	SPEAKER ADAPTED	SP03
20 21	LC11310-001A-U	SPEAKER ADAPTER	(x 2)
22	LC 402 26-003A-H LC 405 06-001A	SPACER TAP SCREW	(x 4) (x 4)
			V7 -/



# AV32R25EKS / AV32R250EKS

## PRINTED WIRING BOARD PARTS LIST

## ■MAIN P.W. BOARD ASS'Y (SJL-1008A-U2)

Δ	Symbol No.	Part No.	Part Name	Description
_	RES:	ISTOR		
	R002	NRSA63J-101X	MG R	100Ω 1/16W J
	R003	NRSA63J-101X	MG R	100Ω 1/16W J
	R006 R007	NRSA63J-472X NRSA63J-103X	MG R MG R	4.7kΩ 1/16W J 10kΩ 1/16W J
	R008	NRSA63J-103X	MG R	10kΩ 1/16W J
	R011	NRSA63J-102X	MG R	1kΩ 1/16W J
	R304 R305	QRG01GJ-121 NRSA63J-562X	OM R MG R	120Ω 1W J 5.6kΩ 1/16W J
	R306	NRSA63J-222X	MG R	2.2kΩ 1/16W J
	R307	NRSA63J-102X	MG R	1kΩ 1/16W J
	R308 R309	NRSA63J-471X NRSA63J-222X	MG R MG R	470Ω 1/16W J 2.2kΩ 1/16W J
	R310	NRSA63J-391X	MG R	390Ω 1/16W J
	R311	NRSA63J-391X	MG R	390Ω 1/16W J
	R312 R313	NRSA63J-101X NRSA63J-101X	MG R MG R	100Ω 1/16W J 100Ω 1/16W J
	R314	NRSA63J-562X	MG R	5.6kΩ 1/16W J
	R316	NRSA63J-224X	MG R	220kΩ 1/16W J
	R317 R321	NRSA63J-101X NRSA63J-102X	MG R MG R	100Ω 1/16W J 1kΩ 1/16W J
	R327	NRSA63J-471X	MG R	470Ω 1/16W J
	R330	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R331 R332	NRSA63J-152X NRSA63J-332X	MG R MG R	1.5kΩ 1/16W J 3.3kΩ 1/16W J
	R333	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R335	NRSA63J-273X	MG R	27kΩ 1/16W J
	R336 R337	NRSA63J-103X NRSA63J-102X	MG R MG R	10kΩ 1/16W J 1kΩ 1/16W J
	R340	NRS#63J-103X	MG R	10kΩ 1/16W J
	R341 R342	NRSA63J-103X NRSA63J-152X	MG R	10kΩ 1/16W J
	R344	NRSA63J-192X	MG R MG R	1.5kΩ 1/16W J 1kΩ 1/16W J
	R345	NRSA63J-562X	MG R	5.6kΩ 1/16W J
	R346 R401	NRSA63J-333X NRSA63J-103X	MG R MG R	33kΩ 1/16W J 10kΩ 1/16W J
	R402	NRSA63J-103X	MG R	10kΩ 1/16W J
	R403	NRSA63J-102X	MG R	1kΩ 1/16W J
	R404 R405	NRSA63J-183X NRSA63J-223X	MG R MG R	18kΩ 1/16W J 22kΩ 1/16W J
	R409	NRSA63J-OROX	HG R	0.0Ω 1/16W J
	R411	NRSA63D-473X	MG R	47kΩ 1/16W D
	R413 R414	NRSA63D-223X NRSA63D-101X	MG R MG R	22kΩ 1/16W D 100Ω 1/16W D
	R415	NRSA63J-562X	MG R	5.6kΩ 1/16W J
	R416 R417	NRSA63J-101X	MG R	100Ω 1/16W J
	R418	NRSA63J-223X NRSA63J-682X	MG R MG R	22kΩ 1/16W J 6.8kΩ 1/16W J
	R419	NRSA63J-562X	MG R	5.6kΩ 1/16W J
	R420 R502	NRSA63J-123X NRSA63J-103X	MG R MG R	12kΩ 1/16W J 10kΩ 1/16W J
	R503	NRSA63J-104X	MG R	100kΩ 1/16W J
	R504	NRSA63J-822X	MG R	8.2kΩ 1/16W J
	R505 R506	NRSA63J-221X NRSA63J-221X	MG R MG R	220Ω 1/16W J 220Ω 1/16W J
	R507	NRSA63J-102X	MG R	1kΩ 1/16W J
	R508	NRSA63J-223X	MG R	22kΩ 1/16W J
	R509 R511	NRSA63J-223X NRSA63J-OROX	MG R MG R	22kΩ 1/16W J 0.0Ω 1/16W J
	R514	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R516	NRSA63J-222X	MG R	2.2kΩ 1/16W J
	R517 R518	NRSA63J-472X NRSA63J-682X	MG R MG R	4.7kΩ 1/16W J 6.8kΩ 1/16W J
	R519	NRSA63J-562X	MG R	5.6kΩ 1/16W J
	R520	NRSA63J-152X	MG R	1.5kΩ 1/ <b>16W</b> J
	R551 R552	QRK126J-100X NRSA63J-124X	CR MGR	10Ω 1/2W J 120kΩ 1/16W J
	R553	NRSA63J-683X	MG R	68kΩ 1/16W J
	R554 R555	NRSA63J-333X	MG R	33kΩ 1/16W J
	R556	NRSA63J-472X NRSA63J-154X	MG R MG R	4.7kΩ 1/16W J 150kΩ 1/16W J
	R557	NRSA63J-562X	MG R	5.6kΩ 1/16₩ J
	R558	NRSA63J-562X	MG R	5.6kΩ 1/16W J

Δ	Symbol No.	Part No.	Part Name	Description
	RES	ISTOR		
	R560	NRSA63J-104X	MG R	100kΩ 1/16W J
	R561	QRE121J-100Y	C R	10Ω 1/24 J
	R571 R572	NRSA63J-101X NRSA63J-223X	ĦG R ĦG R	100Ω 1/16W J 22kΩ 1/16W J
	R573	NRSA63J-821X	MG R	22kΩ 1/16W J 820Ω 1/16W J
	R574	NRSA63J-333X	MG R	33kΩ 1/16W J
	R601	NRSA63J-OROX	MG R	0.0Ω 1/16W J
	R603 R605	NRSAG3J-OROX NRSAG3J-OROX	MG R MG R	0.0Ω 1/16₩ J 0.0Ω 1/16₩ J
	R607	NRSA63J-103X	MG R	10kΩ 1/16W J
	R608	NRSA63J-103X	MG R	10kΩ 1/16W J
	R609	NRSA63J-103X	MG R	10kΩ 1/16W J
	R613 R617	NRSA63J-104X NRSA63J-103X	MG R MG R	100kΩ 1/16W J 10kΩ 1/16W J
	R618	NRSA63J-822X	MG R	8.2kΩ 1/16W J
	R619	NRSA63J-473X	MG R	47kΩ 1/16W J
	R620	NRSA63J-153X	MG R	15kg 1/16W J
	R621 R622	NRSA63J-222X NRSA63J-822X	MG R MG R	2.2kΩ 1/16W J 8.2kΩ 1/16W J
	R623	NRSA63J-103X	MG R	10kΩ 1/16w J
	R624	NRSA63J-473X	MG R	47kΩ 1/16W J
	R625 R626	NRSA63J-682X NRSA63J-104X	MG R MG R	6.8kΩ 1/16₩ J 100kΩ 1/16₩ J
	R627	NRSA63J-272X	MG R	100kΩ 1/16₩ J 2.7kΩ 1/16₩ J
	R628	NRSA63J-104X	MG R	100kΩ 1/16W J
	R629	NRSA63J-682X	MG R	6.8kΩ 1/16W J
	R630 R631	NRSA63J-104X NRSA63J-103X	MG R	100kΩ 1/16W J 10kΩ 1/16W J
	R632	NRSA63J-103X	MG R	10kΩ 1/16W J
	R633	NRSA63J-103X	MG R	10kΩ 1/16W J
	R637 R638	NRSA63J-104X NRSA63J-103X	MG R	100kΩ 1/16W J
	R639	NRSA63J-473X	MG R MG R	10kΩ 1/16W J 47kΩ 1/16W J
	R640	NRSA63J-822X	MG R	8.2kΩ 1/16W J
	R641	NRSA63J-103X	MG R	10kΩ 1/16W J
	R642 R643	NRSA63J-473X NRSA63J-822X	MG R MG R	47kΩ 1/16W J 8.2kΩ 1/16W J
	R644	NRSA63J-153X	MG R	15kΩ 1/16₩ J
	R645	NRSA63J-222X	MG R	2.2kΩ 1/16W J
	R646 R647	NRSA63J-273X NRSA63J-473X	MG R MG R	27kΩ 1/16W J 47kΩ 1/16W J
	R648	NRSA63J-103X	MG R	10kΩ 1/16W J
	R702	NRSA63J-472X	MG R	4.7kΩ 1/16₩ J
	R704	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R705 R707	NRSA63J-103X NRSA63J-103X	MG R MG R	10kΩ 1/16W J 10kΩ 1/16W J
	R708	NRSA63J-103X	MG R	10kΩ 1/16W J 10kΩ 1/16W J
	R709	NRSA63J-103X	MG R	10kΩ 1/16W J
	R710 R712	NRSA63J-103X NRSA63J-103X	MG R MG R	10kΩ 1/16W J 10kΩ 1/16W J
	R713	NRSA63J-103X	MG R	10kΩ 1/16w J
	R714	NRSA63J-101X	MG R	100Ω 1/16W J
	R715 R716	NRSA63J-101X NRSA63J-101X	MG 8 MG R	100Ω 1/16W J 100Ω 1/16W J
	R717	NRSA63J-101X	MG R	100Ω 1/16W J 100Ω 1/16W J
	R718	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R719	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R720 R721	NRSA63J-472X NRSA63J-221X	NG R NG R	4.7kΩ 1/16W J 22QΩ 1/16W J
	R722	NRSA63J-221X	MG R	2200 1/16W J
	R723	NRSA63J-221X	MG R	2200 1/16W J
	R724 R725	NRSA63J-221X NRSA63J-221X	MG R	2200 1/16W J
	R726	NRSA63J-683X	MG R MG R	220Ω 1/16W J 68kΩ 1/16W J
	R728	NRSA63J-101X	MG R	10QΩ 1/15W J
	R729	NRSA63J-101X	MG R	100Ω 1/16W J
	R730 R731	NRSA63J-183X NRSA63J-183X	MG R MG R	18ΚΩ 1/16W J 18ΚΩ 1/16W J
	R732	NRSA63J-472X	MG R	4.7kΩ 1/16₩ J
	R733	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R734	NRSA63J-472X	MG R	4.7kg 1/16W 3
_	R735	NRSA63J-223X	MG R	22kΩ 1/16W J

Symbol No.	Part No.	Part Name	Description	▲ Symbol No	o. Part
RES	ISTOR			CAF	AC I
R736	NRS#63J-223X	MG R	22kΩ 1/16W J	C312	NDC 31
R737	NRSA63J-103X	MG R	10kΩ 1/16W J	C313	QETNI
R738	NRSA63J-103X	MG R	10kΩ 1/16W J	C314 C315	NCB31
R739 R740	NRSA63J-473X NRSA63J-332X	MG R MG R	47kΩ 1/16W J 3.3kΩ 1/16W J	(319	QETNI. Qetni.
R741	NRSA63J-101X	MG R	100Ω 1/16W J	C320	NCB31
R742	NRSA63J-223X	MG R	22kΩ 1/16W J	C321	NCB31
R743 R744	NRSA63J-391X NRSA63J-471X	MG R MG R	390Ω 1/16W J 470Ω 1/16W J	C322 C323	NCB31 NCB31
R745	NRSA63J-182X	MG R	1.8kΩ 1/16W J	C324	QETIO
R746	NRSA63J-473X	MG R	47kΩ 1/16W J	C325	QETNI
R747 R748	NRSA63J-682X NRSA63J-153X	MG R MG R	6.8kΩ 1/16W J 15kΩ 1/16W J	C326	QETNI Qetni
R749	NRSA63J-223X	MG R	22kΩ 1/16W J	C327 C328	QETNI
R750	NRSA63J-473X	MG R	47kΩ 1/16W J	C329 C330	NDC31 NDC31
R751 R752	NRSA63J-562X NRSA63J-103X	MG R MG R	5.6kΩ 1/16W J 10kΩ 1/16W J	C331	NDC SE QETNI
753	NRSA63J-223X	MG R	10kΩ 1/16W J 22kΩ 1/16W J	Č332	NCB31
R757	NRSA63J-102X	MG R	1kΩ 1/16W J	C333	NC821
758	NRSA63J-OROX	MG R	0.0Ω 1/16W J	C334 C401	QETNL OFTM
1759 1760	NRSA63J-OROX NRSA63J-OROX	MG R MG R	0.0Ω 1/16W J 0.0Ω 1/16W J	C401	QETNIL NCB31
761	NRSA63J-473X	MG R	47kΩ 1/16W J	C404	NCB31 NCB31
762	NRSA63J-473X	MG R	47kΩ 1/16W J	C405	
.763 .764	NRSA63J-823X NRSA63J-104X	MG R MG R	82kΩ 1/16W J 100kΩ 1/16W J	C406 C407	QFVF1 QFVF1
765	NRSA63J-103X	MG R	10kΩ 1/16W J	C408	NCB31
766	NRSA63J-222X	MG R	2.2kΩ 1/16W J	C501	QETNL
767 768	NRSA63J-103X NRSA63J-0R0X	MG R MG R	10kΩ 1/16W J 0.0Ω 1/16W J	C502 C503	NCB31 NCB31
R769	NRSA63J-183X	MG R	0.0 <sub>Ω</sub> 1/16W J 18k <sub>Ω</sub> 1/16W J	C504	NCB31
771	NRSA63J-102X	MG R	1kΩ 1/16W J	C505	NCB31
772	NRSA63J-104X	MG R	100kΩ 1/16W J	C506 C507	QETN1 NC831
773 774	NRSA63J-221X NRSA63J-473X	MG R	220Ω 1/16W J 47kΩ 1/16W J	C508	QETNL
775	NRSA63J-102X	∏G K	1kΩ 1/16W J	C509	QFLCI
776	NRSA63J-473X	MG R	47kΩ 1/16W J	C510	NCB311
777 778	NRSA63J-102X NRSA63J-152X	MG R MG R	1kΩ 1/16W J 1.5kΩ 1/16W J	C511 C512	NCB314 QTMNLI
779	NRSA63J-273X		27kΩ 1/16W J	C513	QETNL
780	NRSA63J-103X	MG R MG R	10kΩ 1/16W J	C514 C515	NCB311
781 782	NRSA63J-103X NRSA63J-103X	MG R MG R	10kΩ 1/16W J 10kΩ 1/16W J	C516	QFVF11 NCB311
783	NRSA63J-103X	MG R	10kΩ 1/16W J	C551 C552	NCF310
784	NRSA63J-333X	MG R	33kΩ 1/16W J		NCF310
.785 .787	NRSA63J-184X NRSA63J-333X	MG R MG R	180kΩ 1/16W J 33kΩ 1/16W J	C553 C554	QETNLI NCF310
788	NRSA63J-332X	MG R	3.3kg 1/16W j	C555	NCF310
789	NRSA63J-103X	MG R	10kΩ 1/16W J	C571	NCB31
790 791	NRSA63J-102X	MG R	1kΩ 1/16W J	C601 C602	QETNUH Qetnuh
791 792	NRSA63J-152X NRSA63J-103X	MG R MG R	1.5kΩ 1/16W J 10kΩ 1/16W J	C603	QETILL
793	NRSA63J-102X	MG R	1kΩ 1/16W J	C604	QETNLE
CAP	CITOR			C611 C612	QETNL!
			***	C612 C613	QETMLE
001	NCB31HK-222X	C CAP. E CAP.	2200pF 50V K	C614	QETNLI
002	QETNLHM-106Z NCB31CK-104X	E CAP.	10µF 50V M 0.1µF 16V K	C615 C616	QETNLH Qetnlh
005	QETMLCM-108Z	E CAP.	1000µF 16V M	C617	QETNIH
006	NCB31HK-103X	C CAP.	0.01µF 50V K	C618	QETNO
.007 .008	QETMLHM-106Z NCB31CK-104X	E CAP. C CAP.	10µF 50V M 0.1µF 16V K	C619 C620	QETNEH Qetneh
009	QETNIHM-106Z	E CAP.	10µF 50V H	C621	QETML
011	QETNLHM-106Z	E CAP.	10µF 50V M	C628	QETNLE
012 013	NCB31HK-103X NCB31HK-103X	C CAP. C CAP.	0.01µF 50V K	C629	QETML8
301	NCB31CK-104X	C CAP.	0.01µF 50V K 0.1µF 16V K	C630 C631	QETNLE Oetnle
302	NCB31CK-683X	C CAP.	0.068µF 16V K	C632	QETNIH
303	QETNLEM-476Z	E CAP.	47µF 25V M	C633	QETNLH
.304 .305	NCB31HK-103X Qetnlcm-107Z	C CAP. E CAP.	0.01µF 50V K 100µF 16V M	C634 C636	QETMLV Qetmlv
306	NCB31HK-103X	C CAP.	0.01 iF 50V K	C637	OETNLO
307	QETNLCM-477Z	E CAP.	470µF 16V M	C675	QETNLO
308 309	NDC31HJ-120X Qetnlhm-475Z	C CAP. E CAP.	12pF 50V J 4.7 <sub>u</sub> F 50V M	C676 C677	NCB310
	germaille 7/JL	L 0/1 .	7./U JVV ()	1.0//	NCB310
310 311	NCB31HK-103X	C CAP.	0.01µF 50V K	C702	NCB31H

C314 NCB31HK-103X C CAP. 0.01µF 50V	j M K M
C313 QETMLCM-107Z E CAP. 100 F 16V C314 NCB3LHK-103X C CAP. 0.01 F 50V	K M M
C314 NCB31HK-103X C CAP. 0.01µF 50V	K M M
	M
C320 NCB31HK-103X C CAP. 0.01µF 50V	K
C321 NCB31CK-104X C CAP. 0.1µF 16V I	K
C323 NCB31CK-104X C CAP. 0.1µF 16V I	K K
	M M
C326 QETNLHM-105Z E CAP. 1.0µF 50V F	M
	M
C329 NDC3LHJ-390X C CAP. 39pF 50V .	
C331 QETNLHM-105Z E CAP. 1.0µF 50V F	M
C332 NCB31HK-103X C CAP. 0.01 F 50V C333 NCB21EK-104X C CAP. 0.1 F 50V C333 NCB21EK-104X C CAP.	K K
C334 QETNLHM-106Z E CAP. 10µF 50V	4
C401 QETMEHM-105Z E CAP. 1.0µF 50V N C403 NCB3LHK-103X C CAP. 0.01µF 50V N	
C404 NCB31HK-108X C CAP. 0.01µF 50V K C405 NCB31HK-103X C CAP. 0.01µF 50V K	
C406 QFVF1HJ-184Z MF CAP. 0.18µF 50V J	j
C407 QFVF1HJ-824Z MF CAP. 0.82µF 50V J C408 MCB31HK-153X C CAP. 0.015 µF 50V K	
C501 QETNLCM-107Z E CAP. 100µF 16V M	1
C502 NCB31HK-103X C CAP. 0.01µF 50V K C503 NCB31HK-103X C CAP. 0.01µF 50V K	
C504 NCB31HK-103X C CAP. 0.01 <sub>L</sub> F 50V K	
C506 QETNIHH-335Z E CAP. 3.3µF 50V M	1
C507 NCB31HK-103X C CAP. 0.01µF 50V K C508 QETMLCM-108Z E CAP. 1000µF 16V M	
C509 QFLCLHJ-823Z M CAP. 0.082 µF 50V J	
C510 NCB31HK-103X C CAP. 0.01µF 50V K C511 NCB31HK-103X C CAP. 0.01µF 50V K	
C512 QTMNLHM-1052 E CAP. 1.0GF 50V M C513 QETNLCM-228Z E CAP. 2200µF 16V M	
C514 NCB31HK-103X C CAP. 0.01µF 50V K	
C515 QFVF1HJ-394Z MF CAP. 0.39µF 50V J C516 NCB31HK-103X C CAP. 0.01µF 50V K	
C551 NCF31CZ-224X C CAP. 0.22µF 16V Z	
C552 NCF3LCZ-224X C CAP. 0.2½F 16V Z C553 QETNLEM-476Z E CAP. 47µF 25V M	
C554 NCF3ICZ-224X C CAP. 0.2½rF 16V Z C555 NCF3ICZ-224X C CAP. 0.2½rF 16V Z	
C571 NCB3tHK-103X C CAP. 0.01µF 50V K	
C601 QETNLHM-106Z E CAP. 10µF 50V M C602 QETNLHM-106Z E CAP. 10µF 50V M	
C603 QETNIHM-106Z E CAP. 10µF 50V M	
C604 QETNLHM-107Z E CAP. 100µF 50V M C611 QETNLEM-108Z E CAP. 1000µF 25V M	
C612 QETMLEM-108Z E CAP. 1000µF 25V M C613 QETMLEM-108Z E CAP. 1000µF 25V M	
C614 QETNLHM-106Z E CAP. 10µF 50V M	
C615 QETNLHM-106Z E CAP. 10µF 50V M C616 QETNLHM-106Z E CAP. 10µF 50V M	
C617 QETNLHM-106Z E CAP. 10µF 50V M	
C618 QETNLHM-1062 E CAP. 10µF 50V M C619 QETNLHM-106Z E CAP. 10µF 50V M	
C620 QETMLHM-107Z E CAP. 100µF 50V M C621 QETMLVM-228 E CAP. 2200µF 35V M	
C628 QETNLEM-108Z E CAP. 1000µF 25V M	
C629 QETMLEN-338 E CAP. 3300µF 25V M C630 QETMLEN-108Z E CAP. 1000µF 25V M	
C631 QETNLHM-106Z E CAP. $10\mu$ F 50V M	
C632 QETMLHM-106Z E CAP. 10μF 50V M C633 QETMLHM-106Z E CAP. 10μF 50V M	
C634 QETNLCH-227Z E CAP. 220µF 16V M	
C637 QETNLCM-227Z E CAP. 220µF 16V M	
C675 QETNLCM-107Z E CAP. 100 JF 16V M C676 NCB31CK-104X C CAP. 0.1 JF 16V K	
C677 NCB3LCK-104X C CAP. 0.1µF 16V K	
C702 NCB31HK-103X C CAP. 0.01µF 50V K C703 QETMLVM-477Z E CAP. 470µF 35V M	

Δ	Symbol No.	Part No.	Part Name	<b>D</b> escription
_	CAPA	CITOR		
	C704 C705 C706 C707 C708 C709 C710 C711 C711 C713 C714 C715 C716 C717 C718 C721 C722 C723 C724 C725 C726 C727 C728 C729 C730 C732 C733 C734 C735 C736 C737 C738 C739 C739	NCB31CK-104X NCB31CK-104X QETMLAH-227Z NCB31CK-104X QETMLAH-107Z NCB31CK-104X QETMLAH-107Z QETMLAH-227Z QETMLAH-227Z QETMLAH-227Z QETMLAH-227Z QETMLAH-227Z QETMLAH-204X NCB31CK-104X NCB31CK-105X NCB31	C C E C E C E C C C C C C C C C C C C C	0.1µF 16V K 0.1µF 16V K 220µF 10V M 0.1µF 16V K 100µF 10V M 0.1µF 16V K 100µF 10V M 220µF 10V M 220µF 10V M 0.1µF 16V K 0.1µF 16V K 0.1µF 16V K 0.1µF 16V K 10µF 50V M 10µF 50V J 33pF 50V J 33pF 50V J 33pF 50V J 33pF 50V J 150µF 50V K 0.1µF 16V K 0.03µF 29V K 150µF 50V J 33pF 50V J 33pF 50V J 33pF 50V J 33pF 50V J
	C741 C742	QETNIHM-105Z Qetnihm-105Z	E CAP. E CAP.	1.0µF 50V M 1.0µF 50V M
_	COIL	_		
	L001 L002 L003 L301 L302 L305 L306 L501 L701 L702 L703 L704 L705 L706 L707 L707 L708	QQL244K-270Z QQL244K-100Z QQL244K-100Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-330Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z	INDUCTOR COIL COIL COIL COIL COIL COIL INDUCTOR COIL COIL COIL COIL COIL COIL COIL COIL	10µH K 10µH K 4.7µH K 4.7µH K 33µH K 4.7µH K
	DIOD	ÞE		
	D301 D302 D303 D304 D503 D601 D602 D603 D604 D605 D607 D606 D607 D609 D610 D611 D612 D613 D614 D615 D616 D619 D620 D621	MA3051/M/-X MA111-X MA111-X MA111-X AK04-T2 MA3330/L/-X MA111-X	Z DIODE SI DIODE SI DIODE SI DIODE SI DIODE Z DIODE Z DIODE Z DIODE SI DIODE	

Δ	Symbol No.	Part No.	Part Name	Description
	DIO	DE	2.00.000	
	D702 D703 D704 D705	MA111-X MA111-X MA3068/M/-X MA111-X	SI DIODE SI DIODE Z DIODE SI DIODE	
	TRAN	SISTO	R	
	0002 0301 0302 0308 0311 0401 0402 0603 0605 0606 0607 0608 0609 0610 0611 0612 0613 0614 0615 0616 0619 0619 0619 0700 0700 0700 0700 0700 0700 0700 07	25C2412K/QR/-X 25A1037AK/QR/-X 25A1037AK/QR/-X DTC124EKA-X 25C2412K/QR/-X DTC124EKA-X 25C3412K/QR/-X DTC124EKA-X 25C3412K/QR/-X DTC124EKA-X 25C3412K/QR/-X DTC134EKA-X 25C3412K/QR/-X DTC134EKA-X 25C3412K/QR/-X DTC134EKA-X D	TRANSISTOR TRANSISTOR TRANSISTOR DIGI TRANSISTOR TRANSISTOR DIGI TRANSISTOR TRANSISTOR DIGI TRANSISTOR TRANSISTOR TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR TRANSISTOR DIGI TRANSISTOR	
	IC			
	IC30L IC30C IC50L IC551 IC66C IC67C IC70C IC70C IC70C IC70C IC70C IC70C IC70C IC70C IC70C	TB1227CN AN5860 AN5441SA-W LA6515 AN7595 AN7595 BA05T SDA55SXFL AT24C16-28R25K JLC1562BF-X BA17605T MM1478DF-X R1170H251B-X	IC I C IC	(SERVICE)
	OTHE			
	CNOCI	CEMSD09-052 CEMSD07-008 0GF1220C2-19 0GB1506L1-16 0GB1506L1-16 0GB1506L1-16 0GB1505J1-50 0GAZ501C5-08Z 0GB1505J1-40 0GAZ501C5-05Z 0GR0521-002Z CE42142-222Z 0AUQ77-001 0AX0659-001Z	IC SOCKET IC SOCKET IC SOCKET B TO B CONNE B TO B CONNE B TO B CONNE B TO B CONNE W TO B CONNE W TO B CONNE W TO B CONNE B TO B CONNE W TO B CONNE TO B CONNE W TO B CONNE TO B CON	

## ■POWER & DEF. P.W. BOARD ASS'Y

Δ	(SJL-2004A-L Symbol No. Part No.	J <b>∠}</b> Part Name	Description
	RESIST	)R	
	R401 QRE141J-		6.8kΩ 1/4w J 6.8kΩ 1/4w F
	R402 QRA14CF-		
	R403 QRA14CF- R404 QRA14CF-		3.09kΩ 1/4W F
	R405 QRA14CF-		820Ω 1/4W F
	R406 QRE141J-		820Ω 1/4W F 10kΩ 1/4W J
	R407 QUY153-0		10kΩ 1/4W J
	R409 ORE141J-		10kΩ 1/4W J
	R410 ORE141J-		1kΩ 1/4# J
	R414 QRE121J-		4.7Ω 1/2W J
	R415 QRX01GJ-		1.8Ω IW J
	R416 QRGOLGJ-	820 ON R	82Ω <b>1</b> W J
	R417 QRE121J-		1.0Ω 1/2W J
	R461 QRE141J-		330Ω 1/4W J
	R463 QRE121J-		3.9kΩ 1/2W J
	R464 QRE121J-		5.6kΩ 1/2W J
	R465 QRE121J-		2.2kΩ 1/2v J
	R466 QRE121J-		1kΩ 1/2// J
	R467 QRL089J- R468 QRE121J-		12Ω 3V J
	R492 QRE141J-		4.7kΩ 1/2W J 68kΩ 1/4W J
	R493 QRE141J-		68kΩ 1/4W J 220kΩ 1/4W J
Δ	R494 QRZ9017-		4.7 Ω 1/4W J
_	R495 QRE141)-		10kΩ 1/4W J
	R496 ORE141J-		18kΩ 1/4W J
	R497 QRE141J-		15kΩ 1/4W J
	R501 ORE141J-		560Ω 1/4W J
	R502 QRE141J-:	222Y C R	2.2kΩ 1/4kl J
	R503 QRE121J-	L52Y C R	1.5kΩ 1/2W J
	R504 QRL089J-:		3.3kΩ 3⊌ J
	R505 QRL0B9J-		3.3kΩ 3⊮ J
	R521 QRE121J-		15Ω 1/2H J
	R522 QRL089J-		10kΩ 3/ J
	R523 QRE121J-4	171Y CR 1R7 FR	470Ω 1/2W J 4.7 Ω 1/4W J
Δ	R524 QRZ9017-4 R525 QRE1413-1		
	R525 QRE141)-: R541 QRE121J-:		1.5IΩ 1/4/ J
	R542 QRE121J-		10kΩ 1/2w/ J 2.2kΩ 1/2w/ J
	R543 QRE121J-1		2.2kΩ 1/2w J 120kΩ 1/2w J
	R544 QRE121J-1		120kΩ 1/2ki J
	R545 QRE141)-:		12kΩ 1/4w J
	R546 QRE121J-1		100kΩ 1/2W J
	R547 QRE141J-1		12kΩ 1/4W J
	R548 ORE121J-7		2.2kΩ 1/2w J
	R551 QRT039J-1	R2 MF R	1.2Ω 3W J
	R552 QRT089J-1		1.2Ω 3W J
	R553 QRF104K-5		5.6Ω 10W K
Δ	R554 QRZ9022-F		0.47Ω 1bw K
Δ	R555 QRZ9011-4		4.7Ω 1/2H J
	R561 QRL029J-2		22Ω <b>2</b> V J
	R562 QRE121J-1 R563 QRZ0056-1		12kΩ 1/2W J 10kΩ 1/2W K
	R591 ORE121J-1		10kΩ 1/2W K 12kΩ 1/2W J
	R592 QRA14CF-1		1.2kΩ 1/4w F
	R593 QRE141J-1		1.2kΩ 1/4W J
	R594 QRE141J-2	22Y C R	2.2kΩ 1/4ki J
Δ	R595 QRA14CF-2		21kΩ 1/4W F
Δ	R596 QRA14CF-2		2.67kΩ 1/4W F
	R597 QRE141J-2		27kΩ 1/4W J
	R902 QRE121J-3		330Ω 1/2W J
	R903 QRF1D4K-3		3.9Ω 10W K
	R904 QRE121)-4		470kΩ 1/2w J
	R905 QRE121J-4		470kΩ 1/2w j
	R906 QUY153-05		631 A 32 ·
	R907 QRL@9J-8 R908 QRL@9J-8		82kΩ <b>3</b> / J
			82kΩ 3w J
			47kΩ 3W J
	R911 QRM059J-R R912 QRT029J-R		0.10Ω 5W J 0.82Ω 2W J
Δ	R913 QRZ9017-1		
۵	R914 QRE121J-2	υυ ΓΚ 7)ν ΓΡ	
	R916 QRE141J-1	72Y CR 03Y CR	2.7kΩ 1/2w J 10kΩ 1/4w J
	R917 QRE121J-2		220Ω 1/2W J
	R918 QRE121J-1		1kΩ 1/2w J
	R932 QUY153-05		and A/AH J
	R934 QRE141J-1		1kΩ 1/4W J
	R935 QRE141J-2		22kΩ 1/4w J

Δ	Symbol No.	Part No.	Part Name	Description
_	RES	ISTOR		
Δ	R941 R952 R964 R967 R976	QRE141J-103Y QRZ9017-100 QRE141J-102Y QRE141J-222Y QRE121J-222Y QRL029J-100 QRZ0057-825	C R C R C R C R OM R OM R C R	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
_	CAP	ACITOR	₹	
				8.2MΩ 1W J  220µF 35V M 1000µF 35V M 1000µF 50V J 1.0µF 50V J 180F 28V K 1000µF 50V J 0.33µF 50V J 0.33µF 50V J 0.050µF 100V J 0.1µF 50V M 10µF 50V M 10µF 50V M 0.015µF 50V M 0.015µF 50V M 10µF 50V M 0.015µF 50V M 680µF 50V M 680µF 50V M 10µF 50V M 0.015µF 50V M 680µF 50V M 0.015µF 50V J 0.1µF 250V J 0.01µF 50V M 0.060µF 25V M 1500µF 50V J 0.01µF 50V M 0.060µF 50V J 0.01µF 50V M 0.060µF 50V K 1000µF 50V K
	C933 C951 C952 C953 C954 C955 C956 C958 C959 C960 C961 C964	OETMLYM-338 QCZG122-561 QEZQC3-227 QCB 2HK-391Z QTMLEM-228 QCB 2HK-391Z QTMLCM-228 QCB 2HK-391Z QETMLYM-338 QCB 2HK-221Z QETMLYM-228 QFTMLYM-228 QFTMLYM-228 QFVFIHJ-684Z	E CAP. C CAP. E CAP. E CAP. E CAP. C CAP. E CAP. C CAP. C CAP. E CAP. C CAP. E CAP. C CAP. E CAP.	3300 µF 35V M 560 µF 2kV K 22 QF 160V M 390 µF 500V K 2200 µF 25V M 390 µF 500V K 2200 µF 16V M 390 µF 500V K 3300 µF 35V M 2200 µF 35V M 2200 µF 35V M 0.68 µF 50V J

## AV32R25EKS AV32R250EKS

Δ	Symbol No.	Part No.	Part Name	Description
Ī	CAPA	CITOR		
<u>A</u>	C968 C969 C970 C971 C972 C973 C974 C975 C976 C991 C992	QC2Q120-104Z QEHRICH-477Z QEHRICH-107Z QC2Q120-104Z QETMLCH-227Z QETMLEH-476Z QC2Q120-104Z QETMLAH-227Z QETMLAH-227Z QETMLEH-476Z QC29079-332 QC29079-3471	C CP. E CP. E CP. C CP. C CP. E CP. E CP. C CP. C CP. C CP. C CP. C CP.	0.1µF 25V Z 470µF 16V M 100µF 16V M 0.1µF 25V Z 220µF 16V M 47µF 25V M 0.1µF 25V Z 220µF 10V M 47µF 25V M 3300µFAC250V M 470µFAC250V K
	TRAN	ISFORME	R	8
Δ	T501 T551 T561 T901	CE42034-002 QQHQ130-001 QQRQ898-001 QQSQ144-001	HOR DRIVE TRANS FBT DEF TRANSF SW TRANSF	
	COIL	•	•	
Δ	L461 L521 L561 L901 L903 L903 L951 L952 L953 L954 L955	QQLZOZ7-821 QQLZ0Z8-501 QQR1106-002 QQLZ0Z8-472 QQL40ZK-100 QQL40ZK-100 QQLZ0Z6-460 QQLZ0Z6-460 QQLZ0Z6-460 QQLZ0Z6-460 QQLZ0Z6-460 QQLZ0Z6-460 QQLZ0Z6-862 QQLZ0Z6-862 QQLZ0Z6-862 QQLZ0Z6-862 QQLZ0Z6-862 QQLZ0Z6-862 QQLZ0Z6-862	INDUCTOR INDUCTOR INDUCTOR COIL COIL LINEARITY COIL INDUCTOR COIL INDUCTOR COIL INDUCTOR INDUCTOR INDUCTOR COIL	1QսН К 1QսН К 8 ՇևН К 2 ՇևН К
	DIOD	E		
Δ.	D402 D451 D491 D491 D492 D493 D494 D521 D522 D523 D523 D553 D554 D590 D5902 D904 D9007 D9007 D9008 D901 D913 D954 D955 D956 D957 D958 D956 D966 D967 D966 D967 D968 D966 D968 D9665 D988 D988 D988	1N403-T2 EU2-T3 1S5133-T2 1S5133-T2 1S5133-T2 1S5133-T2 1S5133-T2 1S5133-T2 1S5133-T2 1S136-F1 EU2-T3 EU2-T	SI DIODE	
	Q402	IS I STOF 2SC1740S/QR/-T	TRANSISTOR	
	Q461	2SD1408/0Y/-LB	POW TRANSISTOR	

Δ	Symbol No.	Part No.	Part Name	Description
	TRAN	SISTO	R	
Δ	0462 0463 0501 0514 05521 0542 0544 0545 0545 0591 0592 0593 0931 0932	25AB3A5/QR/-T 25AB3A5/QR/-T 85ND4-T DTC124E5A-T 25D253-LB DTC124E5A-T 1RFQ/0 25K2459N-F54 25K2459N-F54 25K2459N-F54 25K2459N-F54 25C242E5A-T 25C242E5A-T 25C242E5A-T 25C242E5A-T 25C242E5A-T 25C242E5A-T DTC124E5A-T DTC124E5A-T	TRANSISTOR TRANSISTOR MOS FET DIGI TRANSISTOR POW TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR POWER MOS FET POWER MOS FET POWER MOS FET DIGI TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR DIGI TRANSISTOR TRANSISTOR DIGI TRANSISTOR TRANSISTOR DIGI TRANSISTOR	н.оит
_	IC			
▲	IC401 IC901 IC951 IC952 IC953 IC954	AN5523 STR-F6254/F7 SE140N BA12T BA17809T PQ09RF11	IC IC IC IC IC	
_	ОТНЕ	RS		
<b>AAAAAA</b>	CNOOB CNOOM CNOOM CNOOM CP9513 CP9523 CP9524 CP955 K4001 K5004 K9004 K9511 K952 K954 K9554 K9554 K9556 K9564 F9564 F9564 F95761	QGB1506M1-16 QGB1506M1-16 QGB1506M1-16 QGB250LC5-06Z QUYS3-050Y ICP-M50-Y ICP-M50-Y ICP-M55-Y ICP-M75-Y ICP-M75-Y ICP-M75-Y QQRG621-002Z QQRG621-001Z QQRG679-001 QQRG679-001 QQRG679-001 QQRG671-002Z QQRG621-002Z QQRG631-002Z	B TO B CONNE B TO B CONNE B TO B CONNE W TO B CONNE IN BUS WIRE IC PROTECTOR FERSITE BEADS FERRITE BEADS	4.0A

∆ Symbol No.	Part No.	Part Name	Description
RES	ISTOR		
R3100 R3107 R3108 R3107 R3108 R3100 R3110 R3111 R31112 R31112 R31114 R3115 R3115 R3115 R3115 R3115 R3115 R3115 R3115 R3117 R3117 R3117 R3118 R3118 R3117 R3118 R3117 R3118 R3118 R3118 R3118 R3118 R3118 R3118 R3118 R33118 R3312	NRS&3J-101X NRS&3J-101X NRS&3J-101X NRS&3J-392X NRS&3J-392X NRS&3J-392X NRS&3J-221X NRS&3J-221X NRS&3J-221X NRS&3J-221X NRS&3J-221X NRS&3J-470X NRS&3J-470X NRS&3J-470X ORL@9J-153 ORL@9J-153 ORL@9J-153 ORL@9J-153 ORL@9J-153 ORL@9J-153 ORL@9J-183 ORL@9J-1	MG R R R R R R R R R R R R R R R R R R R	100Ω 1/16W J 100Ω 1/16W J 100Ω 1/16W J 3.9kΩ 1/16W J 3.9kΩ 1/16W J 3.9kΩ 1/16W J 220Ω 1/16W J 220Ω 1/16W J 220Ω 1/16W J 220Ω 1/16W J 47Ω 1/16W J 47Ω 1/16W J 47Ω 1/16W J 15kΩ 2w J 15kΩ 2w J 18kΩ 1/2W K 1kΩ 1/3W J 1kΩ 1/16W J 1cΩ 1/16W J
R3327 R3328	NRSA63J-390X NRSA63J-121X	MG R MG R	39Ω 1/16W J 120Ω 1/16W J
R3329	QRL029J-391	OM R	390Ω <b>2</b> W J
C3100 C3100 C3100 C3100 C3100 C3100 C3100 C3100 C3100 C3100 C3100 C3300 C300	NDC31HJ-391X NDC31HJ-391X NDC31HJ-391X NDC31HJ-391X NDC31HJ-391X NDC31HJ-391X NDC31HJ-391X NDC31HJ-8722 QETMEH-476Z QETMEH-336 QETMEH-336 QETMEH-336 QETMEH-336 QETMEH-336 QETMEH-337 NDC31HJ-872 NDC31HJ-872 NDC31HJ-801X QETMECH-106Z NDC31HJ-861X QETMECH-107Z NDC31HJ-861X QETMECH-107Z QETMECH-1337Z	C CPP. C CPP. E CPP. E CPP. E CPP. E CPP. C CPP. E CPP. C CPP. E CPP. C CPP. E CPP.	390pf 50V J 100pf 16V M 47pf 25V M 10pf 50V M 2200pf 2kV K 33pf 250V M 0.00 1/16W J 0.01pf 50V K 3.3pf 50V M 100pf 16V M 5.0pf 50V J 10pf 16V M 820pf 50V J 4700pf 50V K 10pf 16V M 820pf 50V J 4700pf 50V J 4700pf 50V J 4700pf 50V J 10pf 16V M 820pf 50V J 10pf 16V M 820pf 50V J 10pf 16V M 330pf 10V M
	QUY153-050Y	TH DIC LITER	
L3101	DUNIE A DEGAN	IM BUS WIRE	

Δ				
<u> </u>	Symbol No.	Part No.	Part Name	Description
	COIL	_		
_	L3301	QQL244J-391Z	INDUCTOR	
	DIO		C* 07005	
	D3151 D3152	MA111-X MA3082/L/-X	SI DIODE Z DIODE	
	D3153 D3154	MA111-X MA111-X	SI DIODE SI DIODE	
	D3155 D3156	MA111-X MA3047/H/-X	SI DIODE Z DIODE	
	D3157 D3168	MA3150/M/-X MA3150/M/-X	Z DIODE Z DIODE	
	D3164 D3302	1SR35-400A-T2	SI DIODE SI DIODE	
_	D330B	RH15-T3 RH15-T3	SI DIODE	
	TRAN	1S I STO	R	
	03101 03102	2SC1740S/QR/-T 2SC1740S/QR/-T	TRANSISTOR TRANSISTOR	
	03102 03108 03104	2SC1740S/QR/-T 2SC4544-LB	TRANSISTOR POW TRANSISTOR	
	03105 03106	2SC4544-LB 2SC4544-LB	POW TRANSISTOR POW TRANSISTOR	
	03151 03152	2SA1037AK/QR/-X 2SC4682-T	TRANSISTOR TRANSISTOR	
	03304 03305	2SC1740S/QR/-T 2SC1740S/QR/-T	TRANSISTOR TRANSISTOR	
	03306 03307	2SA93AS/QR/-T 2SA1837	TRANSISTOR POWER TRANSISTO	
	Q3308	25C4793	POWER TRANSISTO	
	OTHE	RS		
	CN3008 CN3009	QJK002-083633 QJK002-063631	SIN CR C-B WIRE SIN CR C-B WIRE	
A	FR3330 K3101	QRZ9021-561 QQR0621-002Z	F R FERRITE BEADS	560Ω 1W j
	K3301	CE41492-001Z CE41492-001Z	CHOKE COIL	
	K3302 K3308	CE41492-001Z	CHOKE COIL	
Δ	K3302 K3308 K3304 SK3001	CE41492-001Z CE41492-001Z QNZ0574-001	CHOKE COIL CHOKE COIL CRT SOCKET	
	K3308 K3304 SK3001	CE41492-001Z CE41492-001Z QNZ0574-001	CHOKE COIL CHOKE COIL CRT SOCKET	
	K3308 K3304 SK3001	CE41492-0017 (E41492-0017 QNZ0574-001	CHOKE COIL	ASS'Y
_	K3308 K3304 SK3001	CE41492-001Z CE41492-001Z QNZ0574-001	CHOKE COIL CHOKE COIL CRT SOCKET	ASS'Y Description
_	K3308 K3304 SK3001 IFRONT (SJL-80 Symbol No.	CE41492-0017 (E41492-0012 0NZ0574-001 CONTROL 004A-U2)	CHOKE COIL CHOKE COIL CRT SOCKET	
_	K3308 K3304 SK3001  IFRONT (SJL-80 Symbol No.  RES I	CONTROL  CONTROL  O4A-U2)  Part No.  STOR  NRSA63J-561X	CHOKE COIL CHOKE COIL CRT SOCKET  P.W. BOARD Part Name	Description 560Ω 1/16W J
•	K3308 K3304 SK3001  IFRONT (SJL-80 Symbol No.	CE44992-001Z (PAZ0574-001 CONTROL 204A-U2) Part No.	CHOKE COIL CHOKE COIL CRT SOCKET  P.W. BOARD Part Name	Description  560Ω 1/16W J  560Ω 1/16W J 10ΚΩ 1/16W J
•	K3308 K3301  IFRONT (SJL-80 Symbol No.  RES J  R8801 R8804 R8851	CONTROL  ONA-U2) Part No.  RNSA63J-561X RNSA63J-152X  RSA63J-152X	CHOKE COIL CHOKE COIL CRT SOCKET  P.W. BOARD Part Name  MG R MG R	Description 5600 1/16W J 5600 1/16W J
_	K3308 K3309 K33001  FRONT (SJL-80 Symbol No.  RES I R8801 R8802 R8884 R8851	CONTROL  CON	CHOKE COIL CHOKE COIL CRT SOCKET  P.W. BOARD  Part Name  MG R MG R MG R MG R MG R	Description  560Ω 1/16W J  560Ω 1/16W J 10ΚΩ 1/16W J 1.5ΚΩ 1/16W J
-	K3308 K3301  IFRONT (SJL-80 Symbol No.  RES J  R8801 R8804 R8851	CONTROL  ONA-U2) Part No.  RNSA63J-561X RNSA63J-152X  RSA63J-152X	CHOKE COIL CHOKE COIL CRT SOCKET  P.W. BOARD Part Name  MG R MG R MG R MG R	Description  560Ω 1/16W J  560Ω 1/16W J 10ΚΩ 1/16W J
4	K3308 K3301  FRONT (SJL-80 Symbol No.  RES 1  R8801 R8802 R8804 R8805 C8801 C8802 C8901	CONTROL  CON	CHOKE COIL CHOKE COIL CRT SOCKET  P.W. BOARD Part Name  MG R MG R MG R MG R C CAP.	Description  560Ω 1/16W J 560Ω 1/16W J 10 KΩ 1/16W J 1.5 KΩ 1/16W J
Δ.	K3308 K3309 K33001  IFRONT (SJL-80 Symbol No.  RES I  R8800 R8804 R8851  CAPA  C8851 C8852 C8890 DIOD	CE4492-0017 CE4492-0017 (NZ674-001  CONTROL  O4A-U2) Part No.  STOR  NRSA63J-561X NRSA63J-561X NRSA63J-103X NRSA63J-152X  CITOR  NCB3ICK-104X 0ETMCM-107Z 0FZ9075-474	CHOKE COIL CHOKE COIL CRT SOCKET  P.W. BOARD  Part Name  MG R MG	Description  560Ω 1/16W J  560Ω 1/16W J  10 KΩ 1/16W J  1.5 ΚΩ 1/16W J  0.1μF 16V K  100μF 16V M
4	K3308 K3301  FRONT (SJL-80 Symbol No.  RES 1  R8801 R8802 R8804 R8805 C8801 C8802 C8901	CONTROL  CON	CHOKE COIL CHOKE COIL CRT SOCKET  P.W. BOARD Part Name  MG R MG R MG R MG R MG R C CAP. E CAP.	Description  560Ω 1/16W J  560Ω 1/16W J  10 KΩ 1/16W J  1.5 ΚΩ 1/16W J  0.1μF 16V K  100μF 16V M
Δ.	K3308 K3309 K33001  IFRONT (SJL-80 Symbol No.  RES I R8800 R8804 R8804 R8805 CAPA C8851 CAPA C8852 C8900 DIOD D8800 D8801 D8801 D8801	CONTROL  CON	CHOKE COIL CHOKE COIL CRT SOCKET  P.W. BOARD  Part Name  MG R MC	Description  560Ω 1/16W J  560Ω 1/16W J  10 KΩ 1/16W J  1.5 ΚΩ 1/16W J  0.1μF 16V K  100μF 16V M
Δ.	K3308 K3309 K33001  IFRONT (SJL-80 Symbol No.  RES I R8800 R8800 R8801 CAPA C8851 C8852 C8900 DIOD D8800 D8801 D8801 R8801	CONTROL  ONA-U2) Part No.  STOR  NRSA63J-561X NRSA63J-561X NRSA63J-103X NRSA63J-152X  CITOR  NCB3ICK-104X OETNICM-1077 OFZ9075-474  PE  SPR-39HVWF MA3G8/M/-X  USISTOR	CHOKE COIL CHOKE COIL CRT SOCKET  P.W. BOARD  Part Name  MG R MG R MG R MG R MG R MG R MC	Description  560Ω 1/16W J  560Ω 1/16W J  10 KΩ 1/16W J  1.5 ΚΩ 1/16W J  0.1μF 16V K  100μF 16V M
4	K3308 K3309 K33001  FRONT (SJL-80 Symbol No.  RES J R8800 R8800 R8801 R8802 R8803 R8803 CAPA C8850 C8900 DIOD D8800 DB800 DB800 DR800 TRAN	CONTROL  OCONTROL  OCONTRO	CHOKE COIL CHOKE COIL CRT SOCKET  P.W. BOARD  Part Name  MG R MG R MG R MG R MG R MC	Description  560Ω 1/16W J  560Ω 1/16W J  10 KΩ 1/16W J  1.5 ΚΩ 1/16W J  0.1μF 16V K  100μF 16V M
Δ.	K3308 K3309 K33001  FRONT (SJL-80 Symbol No.  RES I R8800 R8800 R8800 R8801 CAPA C8851 C8852 C8901 D100 D8801	CONTROL  ONA-U2) Part No.  STOR  NRS:MSJ-561X NRS:MSJ-561X NRS:MSJ-561X NRS:MSJ-152X  CITOR  NRS:MSJ-152X  NRS:MSJ	CHOKE COIL CHOKE COIL CHOKE COIL CRT SOCKET  P.W. BOARD  Part Name  MG R MG R MG R MG R MG R MC	Description  560Ω 1/16W J  560Ω 1/16W J  10 KΩ 1/16W J  1.5 ΚΩ 1/16W J  0.1μF 16V K  100μF 16V M
4	K3308 K3309 K33001  IFRONT (SJL-80 Symbol No.  RES J R8801 R8802 R8804 R8851  CAPA C8851 C8852 C8901  DIOD D8801 D8801 D8801 Q8802 Q8800 Q8800	CONTROL  ONA-U2) Part No.  STOR  NRS:MSJ-561X NRS:MSJ-561X NRS:MSJ-561X NRS:MSJ-152X  CITOR  NRS:MSJ-152X  NRS:MSJ	CHOKE COIL CHOKE COIL CHOKE COIL CRT SOCKET  P.W. BOARD  Part Name  MG R MG R MG R MG R MG R MC	Description  560Ω 1/16W J  560Ω 1/16W J  10 KΩ 1/16W J  1.5 ΚΩ 1/16W J  0.1μF 16V K  100μF 16V M
Δ.	K3308 K3309 K3309 K33001  FRONT (SJL-80 Symbol No.  RES I R8800 R8800 R8801 R8801 CAPA C8851 C8850 C8900 DIOD D8800 D8801 D100 D8801 D8801 D8801 D8801 D8801	CONTROL  ONA-U2) Part No.  STOR  NRSA63J-561X NRSA63J-561X NRSA63J-561X NRSA63J-152X  CITOR  OFFUNCTION  OFF	CHOKE COIL CHOKE COIL CHOKE COIL CRT SOCKET  P.W. BOARD  Part Name  MG R  DIGI TRANSISTOR  DIGI TRANSISTOR  DIGI TRANSISTOR	Description  560Ω 1/16W J  560Ω 1/16W J  10 KΩ 1/16W J  1.5 ΚΩ 1/16W J  0.1μF 16V K  100μF 16V M
Δ.	K3308 K3309 K3309 K33001  FRONT (SJL-80 Symbol No.  RES I R8800 R8800 R8800 R8801 CAPA C8851 C8850 C8900 DIOD D8800 D8851 TRAN Q8800 Q8800 IC	CONTROL  ONA-U2) Part No.  STOR  NRSA63J-561X NRSA63J-561X NRSA63J-152X  CITOR  NRSA63J-152X	CHOKE COIL CHOKE COIL CHOKE COIL CRT SOCKET  P.W. BOARD  Part Name  MG R MG	Description  560Ω 1/16W J  560Ω 1/16W J  10 KΩ 1/16W J  1.5 ΚΩ 1/16W J  0.1μF 16V K  100μF 16V M
	K3308 K3309 K3309 K33001  FRONT (SJL-80 Symbol No.  RES I R8800 R8800 R8800 R8801 CAPA C8851 C8850 C8900 DIOD D8800 D8851 TRAN Q8800 Q8800 IC	CE44992-0017 CE44992-0017 CE44992-0017 ONZOS74-001  CONTROL DO4A-U2) Part No.  STOR  NRSA63J-561X NRSA63J-561X NRSA63J-561X NRSA63J-103X NRSA63J-152X  CITOR  NCB3ICK-104X QETNICM-1077 QFZ9075-474  DE  SPR-39NYWF MA3G88/N/-X  JSISTOI DTAD4EKA-X DTAD4EKA-X DTAD4EKA-X DTCD4EKA-X  CP1U281Q  ER S	CHOKE COIL CHOKE COIL CRT SOCKET  P.W. BOARD  Part Name  MG R MG	Description  560Ω 1/16W J  560Ω 1/16W J  10 KΩ 1/16W J  1.5 ΚΩ 1/16W J  0.1μF 16V K  100μF 16V M

# ■ SIDE CONTROL P.W. BOARD ASS'Y (SJL-8102A-U2)

(SJL-81	(02A-U2)		
Symbol No.	Part No.	Part Name	Description
RESI	STOR		
R8001 R8002 R8010 R8011 R8012 R8021 R8022 R8023 R80317	QRE121J-271Y QRE121J-271Y NRSÆ3J-103X NRSÆ3J-103X NRSÆ3J-103X NRSÆ3J-102X NRSÆ3J-102X NRSÆ3J-103X NRSÆ3J-750X	C R C R MG R MG R MG R MG R MG R MG R	$\begin{array}{ccccc} 270\Omega & 1/2\text{M} & \text{J} \\ 270\Omega & 1/2\text{M} & \text{J} \\ 10\text{k}\Omega & 1/16\text{M} & \text{J} \\ 1\text{k}\Omega & 1/16\text{M} & \text{J} \\ 1\text{k}\Omega & 1/16\text{M} & \text{J} \\ 10\text{k}\Omega & 1/16\text{M} & \text{J} \\ 75\Omega & 1/16\text{M} & \text{J} \\ \end{array}$
CAPA	CITOR		
C8001 C8002 C8003 C8004 C8310 C8311 C8321	NCB31HK-103X NCB31HK-103X NCB31HK-102X NCB31HK-102X NCB31HK-472X NCB31HK-472X NCB31K-472X NCB31CK-104X	C CAP.	0.01# 50V K 0.01# 50V K 1000# 50V K 1000# 50V K 4700# 50V K 4700# 50V K 0.1# 16V K
COIL	•		
L8001 L8002 L8003 L8310 L8311 L8312	QQR0716-001Z QQL244K-5R6Z QQL244K-5R6Z QQL244K-270Z QQL244K-270Z QQR0716-001Z	FERRITE BEADS COIL COIL INDUCTOR INDUCTOR FERRITE BEADS	5. GuH K 5. GuH K
OTHE	RS		
CN8016 J8001 J8303 S8001 S8002 S8003	QGA2501C5-05Z QNSQ169-001 QNZQ438-001 QSWG619-003Z QSWG619-003Z QSWG619-003Z	W TO B CONNE 3.5 JACK AV JACK TACT SWITCH TACT SWITCH TACT SWITCH	CH UP Menu Ch down
	Symbol No.  RESI  R8001 R8002 R8011 R8011 R8012 R8022 R8023 R8317  CAPA  C8001 C8000 C8310 C8311 C8311 C8321  C0IL L8000 L80003 L8310 C8311 L8310 C8311 C831	RESISTOR  R8001 QRE121J-271Y R8002 QRE121J-271Y R8002 QRE121J-271Y R801D MRSA63J-103X R8011 MRSA63J-103X R8012 MRSA63J-103X R8012 MRSA63J-102X R8021 MRSA63J-102X R8022 MRSA63J-102X R8023 MRSA63J-102X R8023 MRSA63J-750X  CAPACITOR  C8001 MCB3IHK-103X C8003 MCB3IHK-103X C8003 MCB3IHK-102X C8004 MCB3IHK-102X C8004 MCB3IHK-102X C8004 MCB3IHK-102X C8310 MCB3IHK-472X C8311 MCB3IHK-472X C8003 MCB3IHK-472X C8311 MCB3IHK-472X C8311 MCB3IHK-472X C8311 MCB3	Symbol No.   Part No.   Part Name

## AV SW P.W. BOARD ASS'Y (SJL0S003A-U2)

Δ Symbol No.	Part No.	Part Name	Description
RES	ISTOR		
R0101	NRSA63J-750X	MG R	75Ω 1/16W J
R0102	NRSA63J-750X	MG R	75Ω 1/16W J
R0103	NRSA63J-750X	MG R	
R0104	NRSA63J-750X	MG R	75Ω 1/16W J 75Ω 1/16W J
R0105	NRSA63J-750X	MG R	75Ω 1/16W J
R0106	NRSA63J-750X	MG R	75Ω 1/16W J
R0107	NRSA63J-750X	MG R	75Ω 1/16W J
R0108	NRSA63J-750X	MG R	75Ω 1/16W J
R0110	NRSA63J-823X	MG R	82kΩ 1/16W J
R0112	NRSA63J-823X	MG R	82kΩ 1/16W J
R0113	NRSA63J-750X	MG R	75Ω 1/16W J
R0114	NRSA63J-473X	MG R	47kΩ 1/16W J
R0115	NRSA63J-223X	MG R	22kΩ 1/16W J
R0116	NRSA63J-223X	MG R	22kΩ 1/16W J
R0117	NRSA63J-823X	MG R	82kΩ 1/16W J
R0118	NRSA63J-823X	MG R	82kΩ 1/16₩ ∃
R0119	NRSA63J-391X	MG N	390Ω 1/16W J
R0120	NRSA63J-391X	MG R	390Ω 1/16W J
R0123	NRSA63J-104X	MG R	100kΩ 1/16W J
R0124	NRSA63J-101X	MG R	100Ω 1/16W J
R0125	NRSA63J-101X	MG R	100Ω 1/16W J
R0126	NRSA63J-333X	MG R	33kΩ 1/16W J
R0127	NRSA63J-101X	MG R	100Ω 1/16W J
R0128	NRSA63J-103X	MG R	10kΩ 1/16W J
R0129	NRSA63J-823X	MG R	82kΩ 1/16W J
R0130	NRSA63J-473X	MG R	47kΩ 1/16W J
R0131	NRSA63J-273X	MG R	27kΩ 1/16W J
R0132	NRSA63J-153X	MG R	15kΩ 1/16W J
R0133	NRS <i>A</i> 63J-222X	MG R	2.2kΩ 1/16W J
R0134	NRSA63J-333X	MG R	33kΩ 1/16W J
R0135	NRSA63J-222X	MG R	2.2kΩ 1/16W J
R0136	NRSA63J-333X	MG R	33kΩ 1/16W 3
R0137	NRSA63J-333X	MG R	33kΩ 1/16W J

Δ	Symbol No.	Part No.	Part Name	Description
	RESI	STOR		
	R0138	NRSA63J-473X	MG R	47kΩ 1/16W J
	R0139 R0140	NRSA63J-823X NRSA63J-103X	MG R MG R	82kΩ 1/16W J 10kΩ 1/16W J
	R0141	NRSA63J-153X	MG R	15kΩ 1/16W J
	R0142 R0143	NRSA63J-223X NRSA63J-473X	MG R MG R	22kΩ 1/16W J 47kΩ 1/16W J
	R0144	NRSA63J-273X	MG R	27kΩ 1/16W J
	R0146 R0148	NRSA63J-391X NRSA63J-391X	MG R MG R	39ΩΩ 1/16W J 39ΩΩ 1/16W J
	R015I	NRSA63J-104X	MG R	100kΩ 1/16W J
	R0152 R0153	NRSA63J-222X NRSA63J-333X	MG R MG R	2.2kΩ 1/16W J 33kΩ 1/16W J
	R0154	NRSA63J-222X	MG R	2.2kΩ 1/16W J
	R0155 R0156	NRSA63J-333X NRSA63J-101X	MG R MG R	33kΩ 1/16W J 100Ω 1/16W J
	R0157 R0158	NRSA63J-101X NRSA63J-101X	MG R MG R	100Ω 1/16W J
	R0150	NRSA63J-101X	MG R	10QΩ 1/16W J 10QΩ 1/16W J
	R0160	NRSA63J-101X	MG R	100Ω 1/16W J
	R0161 R0162	NRSA63J-101X NRSA63J-101X	MG R MG R	100Ω 1/16W J 100Ω 1/16W J
	R0164	NRSA63J-101X NRSA63J-101X	MG R MG R	100Ω 1/16W J
	R0165	NRSA63J-101X	MG R	100Ω 1/16W J 100Ω 1/16W J
	R0166 R0167	NRSA63J-101X NRSA63J-101X	MG R MG R	100Ω 1/16₩ ∃ 100Ω 1/16₩ ∃
	R0166	NRSA63J-101X	MG R	100Ω 1/16₩ J 100Ω 1/16₩ J
	R0169 R0170	NRSA63J-101X NRSA63J-333X	MG R MG R	100Ω 1/16W J 33kΩ 1/16W J
	R0171	NRSA63J-222X	MG R	2.2kΩ 1/16W J
	R0172 R0173	NRSA63J-473X NRSA63J-823X	MG R MG R	47kΩ 1/16W J 82kΩ 1/16W J
	R0174	NRSA63J-103X	MG R	10kΩ 1/16W J
	R0175 R0176	NRSA63J-153X NRSA63J-473X	MG R MG R	15kΩ 1/16W J 47kΩ 1/16W J
	R0177	NRSA63J-273X	MG R	27kΩ 1/16W J
	R0180 R0181	NRSA63J-101X NRSA63J-101X	MG R MG R	100Ω 1/16W J 100Ω 1/16W J
	R0182	NRSA63J-101X	MG R	100Ω 1/16W J
	R0183 R0184	NRSA63J-101X NRSA63J-333X	MG R MG R	100Ω 1/16W J 33kΩ 1/16W J
	R0185 R0186	NRSA63J-222X NRSA63J-333X	MG R MG R	2.2kΩ 1/16W J
	R0188	NRSA63J-101X	MG R	33kΩ 1/16W J 100Ω 1/16W J
	R0189 R0190	NRSA63J-221X NRSA63J-221X	MG R MG R	220Ω 1/16W J
	R0191	NRSA63J-562X	MG R	220Ω 1/16W J 5.6kΩ 1/16W J
	R0192 R0193	NRSAG3J-562X NRSAG3J-102X	MG R MG R	5.6kΩ 1/16W J 1kΩ 1/16W J
	R0194	NRSA63J-102X	MG R	1kΩ 1/16W J
	R0195 R0197	QRGQ1GJ-101 QRK126J-181X	OM R C R	100Ω 1W J 180Ω 1/2W J
	R0198	NRSA63J-750X	MG R	75Ω 1/16W J
	R0199 R0202	NRSA63J-101X QRK126J-151X	MG R C R	100Ω 1/16W J 150Ω 1/2W J
	R0208 R0204	NRSA63J-750X NRSA63J-750X	MG R MG R	75Ω 1/16W J
	R0205	MRS#63J-750X	MG R	75Ω 1/16W J
	R0207 R0208	NRSA63J-222X NRSA63J-333X	NG R NG R	2.2kQ 1/16W J 33kO 1/16W J
	R0209	NRSA63J-222X	MG R	2.2kΩ 1/16W J
	R0210 R0211	NRSA63J-333X NRSA63J-103X	MG R MG R	33kΩ 1/16W J 10kΩ 1/16W J
	R0212	NRS#63J-103X	MG R	10kΩ 1/16W J
	R0606 R0628	QRGOLGJ-181 NRSA63J-OROX	OM R MG R	180Ω 1W J 0.0Ω 1/16W J
	R0629	NRSA63J-101X	MG R	100Ω 1/16W J
_	CAPA	NRSA63J-101X	MG R	100Ω 1/16W J
	CO101	NCB31HK-152X	C CAP.	1500pF 50V K
	C0102 C0103	QETNLCM-477Z	E CAP. E CAP.	470µF 16V M
	C0104	QETNIHM-106Z QETNIHM-106Z	E CAP.	10μF 50V M 10μF 50V M
	C0105 C0106	QETNLHM-106Z NCB31HK-472X	E CAP. C CAP.	10μF 50V M 4700pF 50V K
	C0107	NCB31HK-152X	C CAP.	1500pF 50V K
_	C0108	NCB3LHK-472X	C CAP.	4700pF 50V K

Symbol No	. Part No.	Part Name	Description
,	Part No.  NCB31HK-152X OETMLCH-477X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-152X NCB31HK-105Z OETMLHH-106Z OEMLEH-106Z OEMLHH-106Z OEM		1500pf   50V   K   470upf   50V   M   10upf   50V   M   10
C0647 C0648	QETNLCM-107Z NCB3LCK-104X	E CAP. C CAP.	100µF 16V M 0.1µF 16V K
LO114	QQR0716-001Z	FERRITE BEADS	0.0- 4/5/
L0608 L0605	QRN143J-OROX QQL244K-4R7Z	C R	0.0 <sub>Ω</sub> 1/4w J 4.7μH K
DIO	MA3120/M/-X	Z D100F	
D0102 D0103 D0104 D0105 D0106 D0107 D0108	MA3L20/H/-X MA3L20/H/-X MA3L20/H/-X MA3L20/H/-X MA3L20/H/-X MA3L20/H/-X MA3L20/H/-X MA3L20/H/-X	Z DIODE	

	Part No.	Part Name	Description
DIO	DE		<u> </u>
D0109 D0110 D0111 D0112 D0113 D0601	MA3120/M/-X MA3120/M/-X MA3120/M/-X MA3120/M/-X MA3120/M/-X RD8.2E/B2/-T2	Z DIODE Z DIODE Z DIODE Z DIODE Z DIODE Z DIODE	
TRAI	VS I STO	R	
00101 00102 00103 00105 00105 00106 00107 00108 00109 001111 00112 00118 00119 00129 00120	DTC 223TK - X 25A1037AK/QR/- X DTC 223TK - X 25C2412K/QR/- X 25C2412K/QR/- X 25C2412K/QR/- X 25C2412K/QR/- X 25A1037AK/QR/- X DTC 223TK - X DTC 223TK - X DTC 223TK - X 25C2412K/QR/- X 25C2412K/QR/- X 25C2412K/QR/- T 25C2412K/QR/- X 25C2412K/QR/- X 25C2412K/QR/- X 25C2412K/QR/- X 25C2412K/QR/- X	DIGI TRANSISTOR TRANSISTOR DIGI TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR	
IC			
IC0101 IC0603	CXA2089Q-X MSP3415DQGB3GHX	IC IC	
ОТНІ	ERS		
CNOCOG JOOCO KO1CO KO1CO KO1CO KO1CO KO6CO LCOGO1 XO6CO LCOGO1	QB1505K1-50 QNZW65-001 QNZW63-001 CE4X81-001Y CE4X81-001Y CE4X81-001Y NQRWB9-003X NQRWB9-003X NQRWB9-003X NQRWB9-003X CE4X46-001Z	B TO B CONNE 21P CONNECTOR 21P CONNECTOR CHIP BEADS CORE CHIP BEADS CORE CHIP BEADS CORE CHIP BEADS CORE FERRITE BEADS FERRITE BEADS FERRITE BEADS EMI FILTER X TAL	
Symbol No.	Part No.	RD ASS'Y (SJL Part Name	ODOO1A-U2) Description

∆ Symbol N	o. Part No.	Part Name	Description
RES	SISTOR		
R214	NRSA63J-123X	MG R	12kΩ 1/16W J
R215	NRSA63J-123X	MG R	12kΩ 1/16W J
R216 R217	NRSA63J-103X NRSA63J-104X	MG R MG R	10kΩ 1/16W J 100kΩ 1/16W J
R218	NRSA63J-123X	MG R	12kΩ 1/16W J
R303	NRSA63J-103X	MG R	10kΩ 1/16W J
R304 R305	NRSA63J-394X NRSA63J-394X	MG R MG R	390kΩ 1/16W J 390kΩ 1/16W J
R306	NRSA63J-562X	MG R	5.6kΩ 1/16W J
R307	NRSA63J-562X NRSA63J-562X	MG R	5.6kΩ 1/16W J
R310 R311	NRSA63J-562X	NG R NG R	5.6kΩ 1/16W J 5.6kΩ 1/16W J
R312	NRSA63J-394X	MG R	390kΩ 1/16W J
R313	NRSA63J-394X	MG R	390kΩ 1/16W J
R314 R315	NRSA63J-103X NRSA63J-103X	MG R MG R	10kΩ 1/16W J 10kΩ 1/16W J
R401	NRSA63J-101X	MG R	100Ω 1/16W J
R402	NRSA63J-104X	MG R	100kΩ 1/16W J
R403 R404	NRSA63J-223X NRSA63J-103X	MG R MG R	22kΩ 1/16W J 10kΩ 1/16W J
R405	NRSA63J-103X	MG R	10kΩ 1/16W J
R407	NRSA63J-183X	MG R	18kΩ 1/16W J
R408 R409	NRSA63J-101X NRSA63J-104X	MG R MG R	100Ω 1/16W J 100kΩ 1/16W J
R501	NRSA63J-273X	MG R	27kΩ 1/16W J
R502	NRSA63J-153X	MG R	15kΩ 1/16W J
R503 R504	NRSA63J-103X NRSA63J-104X	MG R MG R	10kΩ 1/16W J 100kΩ 1/16W J
R505	NRSA63J-153X	MG R	15kΩ 1/16W J
R506	NRSA63J-103X	MG R	10kΩ 1/16W J
R507 R508	NRSA63J-273X NRSA63J-103X	MG R MG R	27kΩ 1/16W J 10kΩ 1/16W J
R509	NRSA63J-104X	MG R	100kΩ 1/16W J
R510	NRSA63J-681X	MG R	680Ω 1/16W J
R511 R512	NRSA63J-681X NRSA63J-103X	MG R MG R	680Ω 1/16W J 10kΩ 1/16W J
R514	NRSA63J-104X	MG R	100kΩ 1/16W J
R516	NRSA63J-103X	MG R	10kΩ 1/16W J
R517 R551	NRSA63J-103X NRSA63J-103X	MG R MG R	10kΩ 1/16W J 10kΩ 1/16W J
R552	NRSA63J-103X	HG R	10kΩ 1/16W J
R553	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R554 R555	NRSA63J-822X NRSA63J-333X	MG R MG R	8.2kΩ 1/16W J 33kΩ 1/16W J
R556	NRSA63J-333X	MG R	33kΩ 1/16W J
R557 R558	NRSA63J-333X	MG R	33kΩ 1/16W J
R559	NRSA63J-472X NRSA63J-153X	MG R MG R	4.7kΩ 1/16W J 15kΩ 1/16W J
R560	NRSA63J-683X	MG R	68kΩ 1/16W J
R561 R562	NRSA63J-153X NRSA63J-683X	MG R MG R	15kΩ 1/16W J 68kΩ 1/16W J
	ACITOR		OOK12 17 10W J
C101	NCB31CK-104X	C CAP.	0.1 <sub>I</sub> F 16V K
Č103	NDC31HJ-221X	C CAP.	220pF 50V J
C104 C105	QETNLHM-475Z	E CAP.	4.7μF 50V M
C105	NCB3LCK-104X QETNLEM-476Z	C CAP. E CAP.	0.1µF 16V K 47µF 25V M
C107	QETNLEM-4762	E CAP.	47µF 25V M
C108 C109	QETNLEM-476Z	E CAP.	47µF 25V M
C110	QETNIHM-475Z NDC31HJ-221X	E CAP. C CAP.	4.7µF 50V M 220pF 50V J
C111 C112	NDC31HJ-100X	C CAP. C CAP.	10pF 50V J
C112	NDC31HJ-100X Qetnlem-4762	E CAP.	10pF 50V J 47µF 25V M
C115	QETNLEM-476Z	E CAP.	47µF 25V M
C116	NCB31CK-104X	C CAP.	0.1µF 16V K
Č117 C118	QETNLEM-476Z	E CAP.	47µF 25V M
C119	QETNLEM-476Z QETNLEM-476Z	E CAP. E CAP.	47µF 25V M 47µF 25V M
C120	NCB31CK-104X	C CAP.	0.1μF 16V K
C121	QETNLEM-476Z	E CAP.	47µF 25V H
C122 C123	QETNLEM-476Z NCB31CK-104X	E CAP. C CAP.	47µF 25V M 0.1µF 16V K
C124	NDC31HJ-221X	C CAP.	220pr 50V J
C125 C126	NDC31HJ-221X NDC31HJ-221X	C CAP. C CAP.	220pF 50V J 220pF 50V J
C127	NDC31HJ-221X NDC31HJ-221X	C CAP.	220 <del>p</del> F 50V J
C128	QETNLEM-476Z	E CAP.	47juF 25V H

A	Symbol No.	Part No.	Part Name	Description
	CAP	ACITO	ર	
	C129	NCB31CK-104X	C CAP.	0.1μF 16V K
	C130 C131	NCB31CK-104X NCB31CK-104X	C CAP. C EAP.	0.1μF 16V K 0.1μF 16V K
	C132 C133	NCB31CK-104X NCB31CK-104X	C CAP. C CAP.	0.1μF 16V K
	C134	QETNLCM-107Z	E CAP.	0.1μF 16V K 100μF 16V M
	C135 C137	NCB31CK-104X Qetalch-107Z	C CAP. E CAP.	0.1μF 16V K 100μF 16V M
	C138	QETNLEM-476Z	E CAP.	47μF 25V M
	C142 C145	NCB31CK-104X NCB31CK-104X	C CAP. C CAP.	0.1μF 16V K 0.1μF 16V K
	C148 C149	NCB31HK-222X NCB31HK-222X	C CAP. C CAP.	22000F 50V K 22000F 50V K
	C150	NCB31CK-104X	C CAP.	0.1uF 16V K
	C151 C152	NCB31CK-104X Qetnlcm-107Z	C CAP. E CAP.	0.1μF 16V K 100μF 16V M
	C201 C202	NDC31HJ-470X NCF31AZ-105X	C CAP. C CAP.	47pF 50V J 1μF 10V Z
	C203	QETNLEM-476Z	E CAP.	47μF 25V M
	C204 C205	NDC31HJ-470X NCF31AZ-105X	C CAP. C CAP.	47pF 50V J 1 <sub>H</sub> F 10V Z
	C206 C207	QETMLEM-476Z NCF3LAZ-105X	E CAP.	47μF 25V M
	C208	NDC31HJ-470X	C CAP. C CAP.	1μF 10V Z 47pF 50V J
	C209 C210	NDC31HJ-470X NCF31AZ-105X	C CAP. C CAP.	47pF 50V β 1μF 10V Z
	C301 C302	QETNLEM-476Z NCB3LCK-104X	E CAP. C CAP.	47µF 25V M
	C303	NCB31CK-104X	C CAP.	0.1μF 16V K 0.1μF 16V K
	C304 C305	NCB31CK-104X NCB31CK-104X	C CAP. C CAP.	$0.1 \mu F$ 16V K $0.1 \mu F$ 16V K
	C306 C307	NCB31HK-222X NCB31HK-222X	C CAP	2200pF 50V K 2200pF 50V K
	C308	QETALHM-226Z	C CAP. E CAP.	22 <sub>µ</sub> F 50V M
	C309 C310	NCF31AZ-105X NCF31AZ-105X	C CAP.	$1_{\mu}$ F 10V Z $1_{\mu}$ F 10V Z
	C311 C312	QETNLEM-476Z	"E CAP.	47μF 25V M
	C313	NCB31CK-104X NCB31CK-104X	C CAP. C CAP.	0.1μF 16V K 0.1μF 16V K
	C314 C315	NCB31CK-104X NCB31CK-104X	C CAP. C CAP.	0.1μF 16V K 0.1μF 16V K
	C316	NCB31HK-222X	C CAP.	22000F 50V K
	C317 C318	QETNLEM-476Z Qetnlem-226Z	E CAP. E CAP.	47μF 25V M 22μF 50V M
	C319 C320	NCF31AZ-105X NCF31AZ-105X	C CAP. C CAP.	iμF 10V Z 1μF 10V Z
	C321	NCB31HK-222X	C CAP.	2200pF 50V K
	C401 C402	NCF31AZ-105X NDC31HJ-470X	C CAP. C CAP.	1μF 10V Z 47pF 50V J
	C404 C405	NCF31AZ-105X Oetnlem-476Z	C CAP. E CAP.	1μF 10V Z 47μF 25V M
	C406	NCF31AZ-105X	C CAP.	iμF 10V Z
	C501 C502	NCF31AZ-105X NCF31AZ-105X	C CAP. C CAP.	1μF 10V Z 1μF 10V Z
	C503 C504	NDC31HJ-100X NDC31HJ-100X	C CAP. C CAP.	10pF 50V J 10pF 50V J
	C505 C506	QETNLEM-4762 Qetnlem-1062	E CAP. E CAP.	47 <sub>L</sub> F 25V M
	C507	QETNLHM-106Z	E CAP.	10μF 50V M 10μF 50V M
	C508 C509	QETNLEM-4762 NCB31HK-222X	E CAP. C CAP.	47µF 25V M 2200pF 50V K
	C510 C551	NCB31HK-222X Qetnlem-4762	C CAP. E CAP.	22006F 50V K 47μF 25V M
	C552	NCB31CK-823X	C CAP.	0.082 µF 16V K
	C553 C554	NCB31HK-123X Qetnlem-476Z	C CAP. E CAP.	0.012 μF 50V K 47μF 25V M
	C555 C556	NCB31HK-103X	C CAP. C CAP.	0.01μF 50V K
	C557	NCB31HK-103X Qetn1HM-106Z	E CAP.	0.01µF 50V K 10µF 50V M
	C558 C559	NCB31EK-273X NCB31EK-273X	C CAP. C CAP.	0.027 μF 25V K 0.027 μF 25V K
	C560	QETNLHM-106Z	E CAP.	10μF 50V M
	C561 C562	NCF31AZ-105X NCF31AZ-105X	C CAP. C CAP.	1μF 10V Z 1μF 10V Z
	COI	L		
	L101	NOLOBSJ-4R7X	INDUCTOR	
	L102 L103	NQLOB5J-4R7X NQLOB5J-4R7X	INDUCTOR INDUCTOR	
	L104	NQLO85J-4R7X	INDUCTOR	

Δ	Symbol No.	Part No.	Part Name	Description
Ī	COIL	-		
	L501 L502	NQL085J-100X NQL085J-100X	INDUCTOR INDUCTOR	
_	DIOD	ÞΕ		
	D105 D501 D502	MA111-X MA3150/H/-X MA3150/M/-X	SI DNODE Z DNODE Z DNODE	
	TRAN	SISTOR	₹	
	0101 0301 0501 0502 0503	DTC124EKA-X DTC124EKA-X 25A1037AK/QR/-X DTC323TK-X DTC323TK-X	DIGI TRANSISTOR DIGI TRANSISTOR TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR	
_	IC			
	IC101 IC102 IC201 IC301 IC302 IC303 IC401 IC501 IC501	TC9471F S-80828ANNP-W BA10824AF-XE TC4052BF/N/-XE BD3669F-X BD3669F-X BD34558F-X BA4558F-X BA4558F-X BA10824AF-XE	1C 1C 1C 1C 1C 1C 1C 1C 1C	
	OTHE	RS		
	CN012 J001 J002 LC101 LC102 X101	QGB1505K1-40 QNNQ94-001 QNBQ06-002 NQRG13-009X NQRG13-009X NAXQ88-001X	B TO B CONNE PIN JACK PUSH TERMINAL EMI FILTER EMI FILTER CRYSTAL	

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## **REMOTE CONTROL UNIT PARTS LIST**

⚠ Ref.No.

Part No.

Part Name

Description

## AV32T25EKS / AV32T55EKS / AV32T25EIS (RM-C55H-1C)

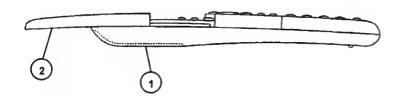
1

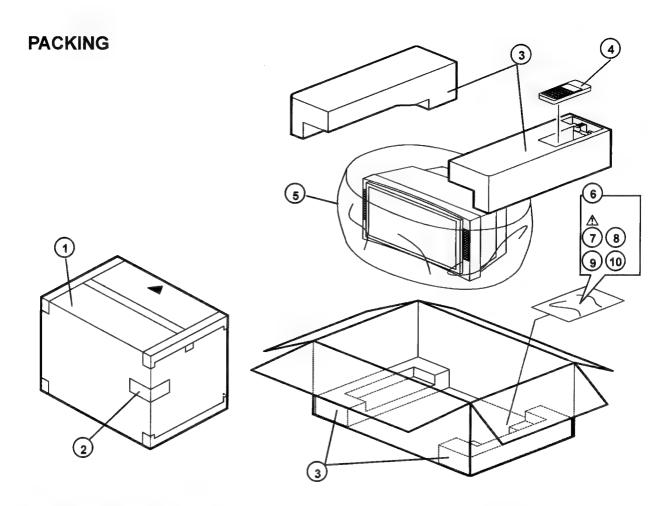
2 AA 03 0 73 3 2 AA 03 0 74 0 BATTERY COVER SLIDE COVER

## AV32R25EKS / AV32R250EKS (RM-C60H-1C)

2

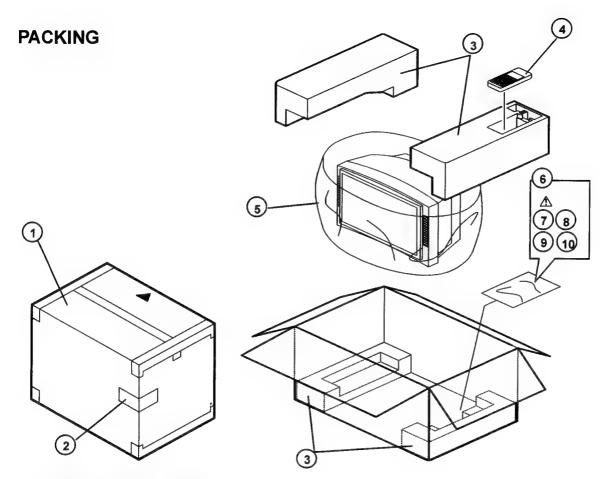
2 AA 02 7 77 0 2 AA 02 7 76 0 BATTERY COVER SLIDE COVER





# **PACKING PARTS LIST**

⚠ Ref.No.	Part No.	Part Name	Description
AV32T26	SEKS / AV32T55EK	S	
1 2 2 3 4 5 6 7	L C10101-017A AEM1064-006-E AEM1064-029-E L C11373-001A RM-C55H-1C AEM1047-A02-E AEM3021-002-E L CT1153-001A-U	PACKING CASE EURO LABEL EURO LABEL CUSHION ASSY RC HAND UNIT FORM BAG DOCUMENT BAGS INST BOOK	[AV32T25EKS] [AV32T55EKS] 4pcs in lset
8 9 10	BT-54013-1E LCT1241-001A-U AEM3148-001-E	WARRANTY CARD INST SHEET REG CARD	
AV32T25	EIS		
1 2 3 4 5 6 4 7 8	L C1 01 01 - 01 7 A AEM 10 64 - 00 8 - E L C1 13 73 - 00 1 A RM- C5 5 H - 1 C AEM 10 47 - A0 2 - E AEM 30 21 - 00 2 - E L CT 11 53 - 00 1 A - U BT - 54 013 - 1 E	PACKING CASE EURO LABEL CUSHION ASSY RC HAND UNIT FORM BAG DOCUMENT BAGS INST BOOK WARRANTY CARD	4pcs in 1set
9	LCT1241-001A-U	INST SHEET	



# **PACKING PARTS LIST**

⚠ Ref.No.	Part No.	Part Name	Description
AV32R25I	EKS		
1 2 3 4 5 6 7 8	L C10101-017A AEM1064-001-E L C11361-001A RM-C60H-1C AEM1047-A02-E AEM3021-002-E L CT1152-001A-U BT-54013-1E	PACKING CASE EURO LABEL CUSHION ASSY REMOCON FORM BAG DOCUMENT BAGS INST BOOK WARRANTY CARD	4pcs in 1set
9 10	A EM 31 4 8 - 00 1 - E L CT 12 4 1 - 00 1 A - U	REG CARD INST SHEET	
AV 32R250	DEKS	100	
1 2 3 4 5 6 7 8	LC10101-017A AEM1064-016-E LC11361-001A RM-C60H-1C AEM1047-A02-E AEM3021-002-E LCT1152-001A-U BT-54013-1E	PACKING CASE EURO LABEL CUSHION ASSY REMOCON FORM BAG DOCUMENT BAGS INST BOOK WARRANTY CARD	4pcs in 1set
9	A EM 31 48 - 00 1 - E L CT 12 41 - 00 1 A - U	REG CARD INST SHEET	

**BASIC CHASSIS** 

JL

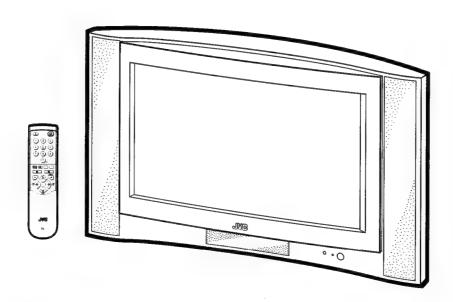
# JVC

# SCHEMATIC DIAGRAMS

**COLOUR TELEVISION** 

# AV32T25EKS / AV32R25EKS AV32T55EKS / AV32R250EKS AV32T25EIS

CD-ROM No.SML200205



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■ SEMICONDUCTOR SHAPES	2-2
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# JVC

# SERVICE MANUAL

# **COLOUR TELEVISION**

# AV32T25EKS/A / AV32R25EKS/A AV32T55EKS/A / AV32R250EKS/A AV32T25EIS/A

BASIC CHASSIS

Supplementary

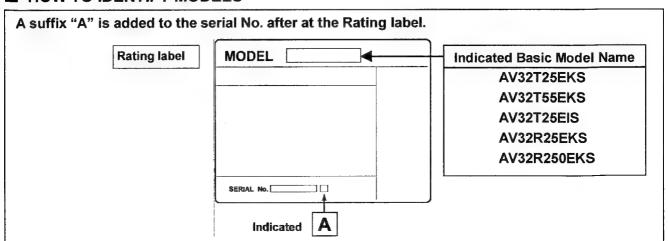
The following items for the A models were changed from those of the B models. Therefore, this Service Manual describes only the items which differ from those of the B models Service Manual. For details other than those described in this manual, please refer to the B models Service Manual (No.51968, May 2002) and Supplementary (No.51968B, Aug. 2002).

A models	B models
AV32T25EKS	AV32T25EKS/A
AV32T55EKS	AV32T55EKS/A
AV32T25EIS	AV32T25EIS/A
AV32R25EKS	AV32R25EKS/A
AV32R250EKS	AV32R250EKS/A

### OUTLINE

Since the picture tube was changed, we have issued the SERVICE MANUAL for AV32T25EKS/A / AV32T25EKS/A / AV32T25EKS/A / AV32R25EKS/A / AV32R25EKS/A .

#### ■ HOW TO IDENTIFY MODELS



# **DIFFERENCE LIST**

USING PW BOARD (Page 32)

MODEL PWB ASS'Y	AV32T25EKS AV32T55EKS AV32T25EIS	AV32T25EKS/A AV32T55EKS/A AV32T25EIS/A
MAIN PWB	SJL-1004A-U2 (AV32T25/T55EKS) SJL-1007A-U2 (AV32T25EIS)	SJL-1104A-U2 (AV32T25/T55EKS/A) SJL-1107A-U2 (AV32T25EIS/A)
POWER & DEF. PWB	SJL-2002A-H3	SJL-2102A-H3
CRT SOCKET PWB	SJL-3003A-H3 (INCORRECT) SJL-3002A-H3 (CORRECT)	- SJL-3102A-H3

## USING PW BOARD (Page 32)

MODEL	AV32R25EKS	AV32R25EKS/A
PWB ASS'Y	AV32R250EKS	AV32R250EKS/A
MAIN PWB	SJL-1008A-U2	SJL-1108A-U2
POWER & DEF. PWB	SJL-2004A-H3	SJL-2104A-H3
CRT SOCKET PWB	SJL-3002A-H3	SJL-3102A-H3

EXPLODED VIEW PARTS LIST (2) (Page 34)

Δ	Ref. No.	Parts No.			
		AV32T25EKS AV32T55EKS AV32T25EIS	AV32T25EKS/A AV32T55EKS/A AV32T25EIS/A	Parts Name	Description
Δ	V01	W76QDD257X08	W76QEN881X100	PICTURE TUBE (ITC)	
Δ	17	LC11364-004A-U	LC11364-021A-U	RATING LABEL	[AV32T25EKS/A]
Δ	17	LC11364-014A-U	LC11364-022A-U	RATING LABEL	[AV32T55EKS/A]
Δ	17	LC11364-017A-U	LC11364-023A-U	RATING LABEL	[AV32T25EIS/A]

# ● PRINTED WIRING BOARD PARTS LIST [AV32T25EKS/A] [AV32T55EKS/A] [AV32T25EIS/A]

Δ	Symbol No.		Par	ts No.		Donto	
		SJL-1004A-U2 (AV32T25 SJL-1007A-U2 (AV32T25		SJL-1104A-U2 (A SJL-1107A-U2 (A	V32T25/T55EKS/A) V32T25EIS/A)	Parts name	Description
	R420	NRSA63J-123X		NRSA63J-183	X	MGR	18KΩ 1/16W J
PO	WER & D	EF. P.W. BOARD AS	S'Y (Pag	je 42~43)			
Δ	Complete N		Parts No.		2		
<b>A</b>	Symbol N	o. SJL-2002A-H3	s	JL-2102A-H3	Parts na	me	Description
Δ	R554	QRZ9022-R47	QRZ	9022-R82	FR		0.82 Ω 1W K
	R561	QRL029J-220	QRL	029J-221	OMR		220 Ω 2W J
	C407	QFLC1HJ-102Z	QFL	C1HJ-122Z	M CAP.		1200pF 50V J
⚠	C521	QFZ0200-452	QFZ	200-472	MPP CAP.		4700pF1.5kVH±3%
	C542	QFZ0197-104	QFZ	)197-154	MPP CAP.		0.15μF 250V J
	C561	QFLC1HJ-683Z	QFL	C1HJ-473Z	M CAP.		0.047μF 50V J
Δ	Q521	2SD2553-LB	2SC5	902-RL	POWER TRANS	SISTOR	H.OUT
CR	T SOCKE	T P.W. BOARD ASS	Y (Page	44)			
Δ	Symbol N		Parts No.				Description
ىب	j Symbol N	SJL-3002A-H3	S	JL-3102A-H3	Parts nai	ne	Description

● EXPLODED VIEW PARTS LIST (2) (Page 48)

Δ	Ref. No.	Parts No.			
		AV32R25EKS AV32R250EKS	AV32R25EKS/A AV32R250EKS/A	Parts Name	Description
Δ	V01	W76QDD257X08	W76QEN881X100	PICTURE TUBE (ITC)	
Δ	17	LC11364-002A-U	LC11364-019A-U	RATING LABEL	[AV32R25EKS/A]
Δ	17	LC11364-015A-U	LC11364-020A-U	RATING LABEL	[AV32R250EKS/A]

● PRINTED WIRING BOARD PARTS LIST [AV32R25EKS/A] [AV32R250EKS/A]

A	0 h - I N -	P	arts No.	Donto nomo	
Δ	Symbol No.	SJL-1008A-U2	SJL-1108A-U2	Parts name	Description
	R420	NRSA63J-123X	NRSA63J-183X	MGR	18KΩ 1/16W J
	R613	NRSA63J-104X		MG R	Delete
PO	WER & DEF.	P.W. BOARD ASS	3'Y (Page 53~54 )		
	0	P	arts No.	Borto nomo	Description
Δ	Symbol No.	SJL-2004A-H3	SJL-2104A-H3	Parts name	Description
Δ	R554	QRZ9022-R47	QRZ9022-R82	FR	0.82 Ω 1W K
	R561	QRL029J-220	QRL029J-221	OMR	220 Ω 2W J
	C407	QFLC1HJ-102Z	QFLC1HJ-122Z	M CAP.	1200pF 50V J
Δ	C521	QFZ0200-452	QFZ0200-472	MPP CAP.	4700pF1.5kVH±3%
	C542	QFZ0197-104	QFZ0197-154	MPP CAP.	0.15 μ F 250V
	C561	QFLC1HJ-683Z	QFLC1HJ-473Z	M CAP.	0.047μF 50V J
⚠	Q521	2SD2553-LB	2SC5902-RL	POWER TRANSISTOR	H.OUT
CR	T SOCKET F	W. BOARD ASS"	(Page 55)		
Δ	Symbol No.	P	arts No.	Parts name	Description
ΔΔ	Symbol No.	SJL-3002A-H3	SJL-3102A-H3		Description

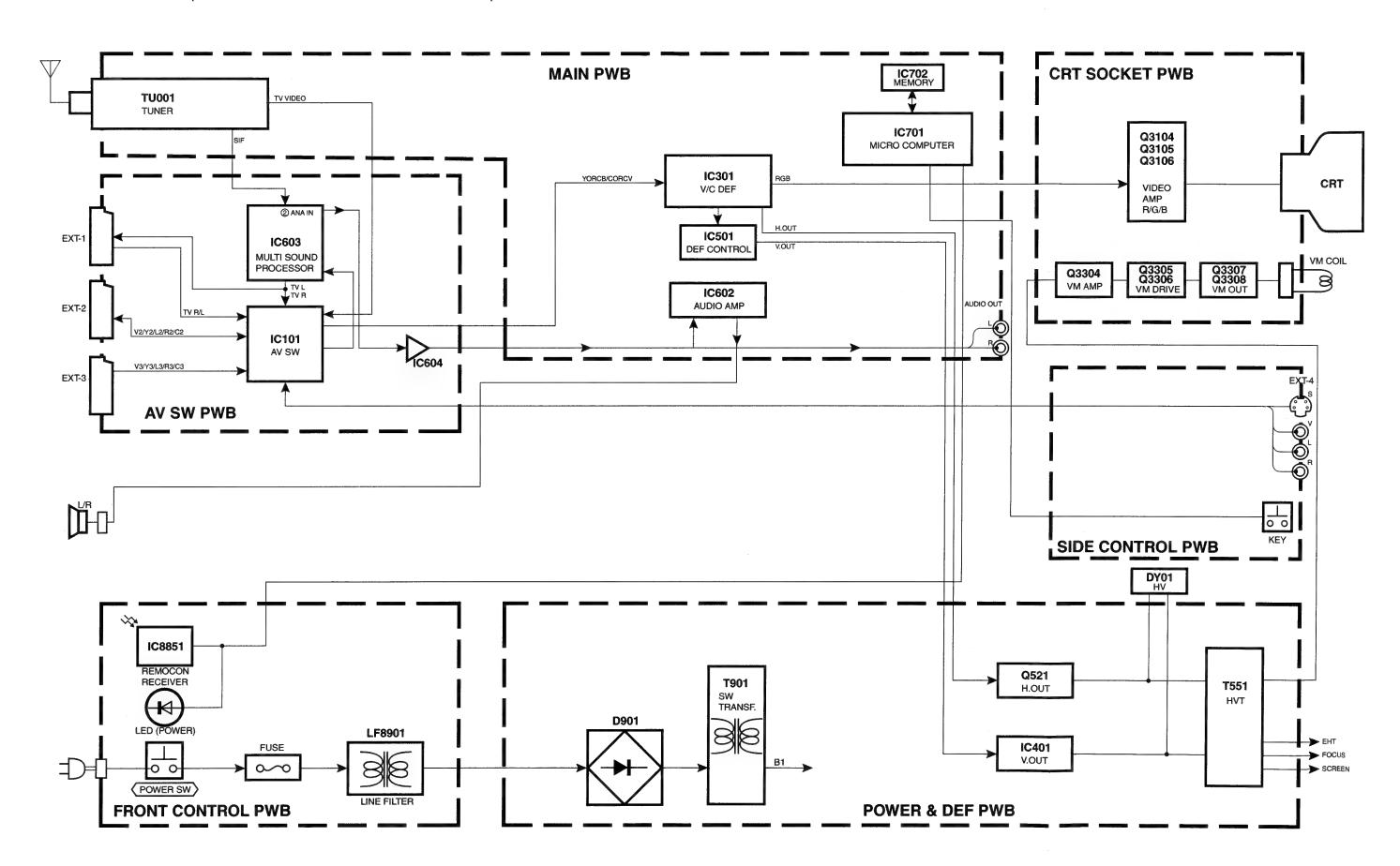
# ● PACKING PARTS LIST (Page 61)

⚠	Ref. No.	Parts No.			
		AV32T25EKS AV32T55EKS AV32T25EIS	AV32T25EKS/A AV32T55EKS/A AV32T25EIS/A	Parts Name	Description
	2	AEM1064-006-E	AEM1064-038-E	EURO LABEL	[AV32T25EKS/A]
	2	AEM1064-029-E	AEM1064-039-E	EURO LABEL	[AV32T55EKS/A]
	2	AEM1064-008-E	AEM1064-040-E	EURO LABEL	[AV32T25EIS/A]

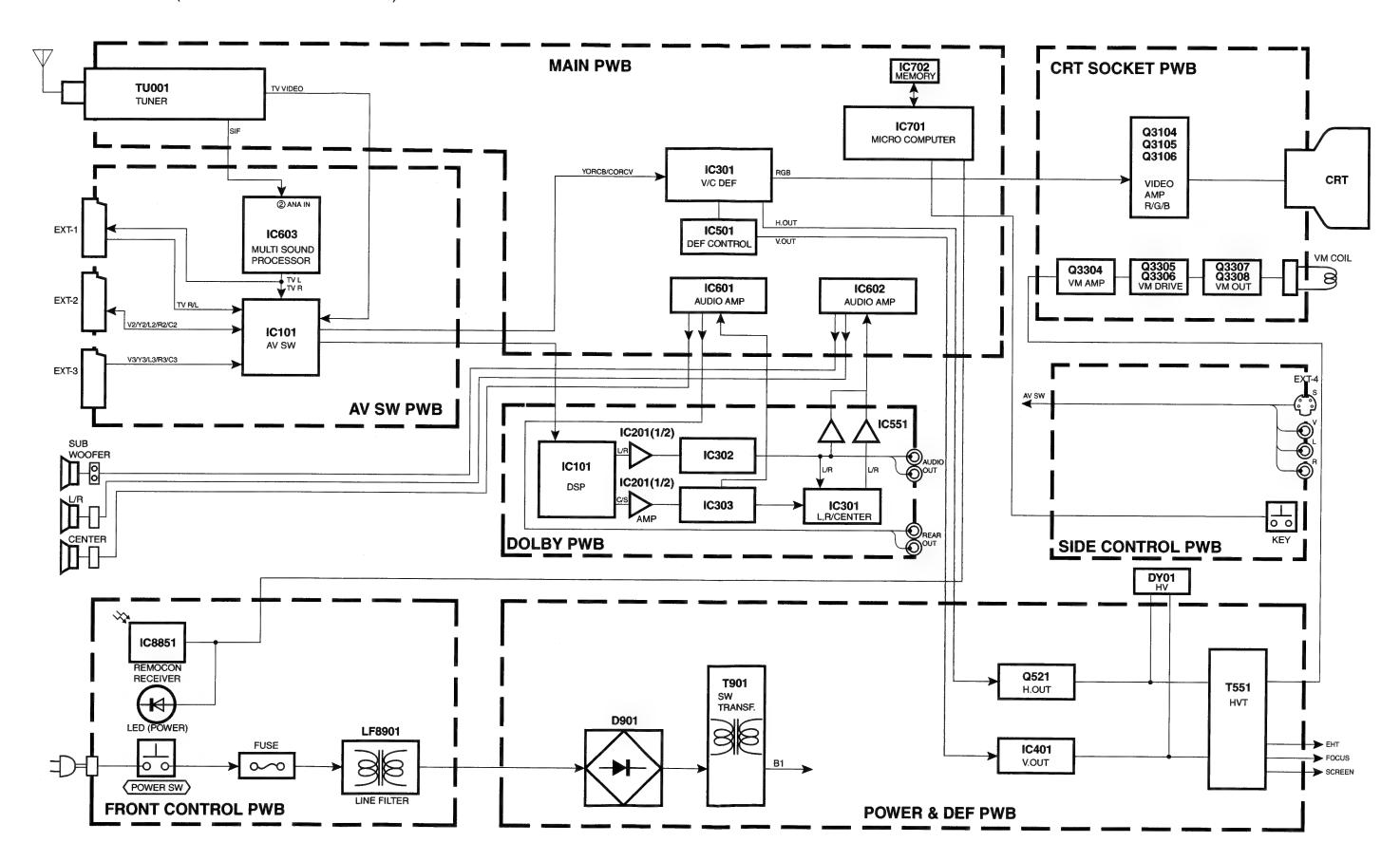
## ● PACKING PARTS LIST (Page 62)

Δ	Ref. No.	Parts No.			
		AV32R25EKS AV32R250EKS	AV32R25EKS/A AV32R250EKS/A	Parts Name	Description
	2	AEM1064-001-E	AEM1064-036-E	EURO LABEL	[AV32R25EKS/A]
	2	AEM1064-016-E	AEM1064-037-E	EURO LABEL	[AV32R250EKS/A]

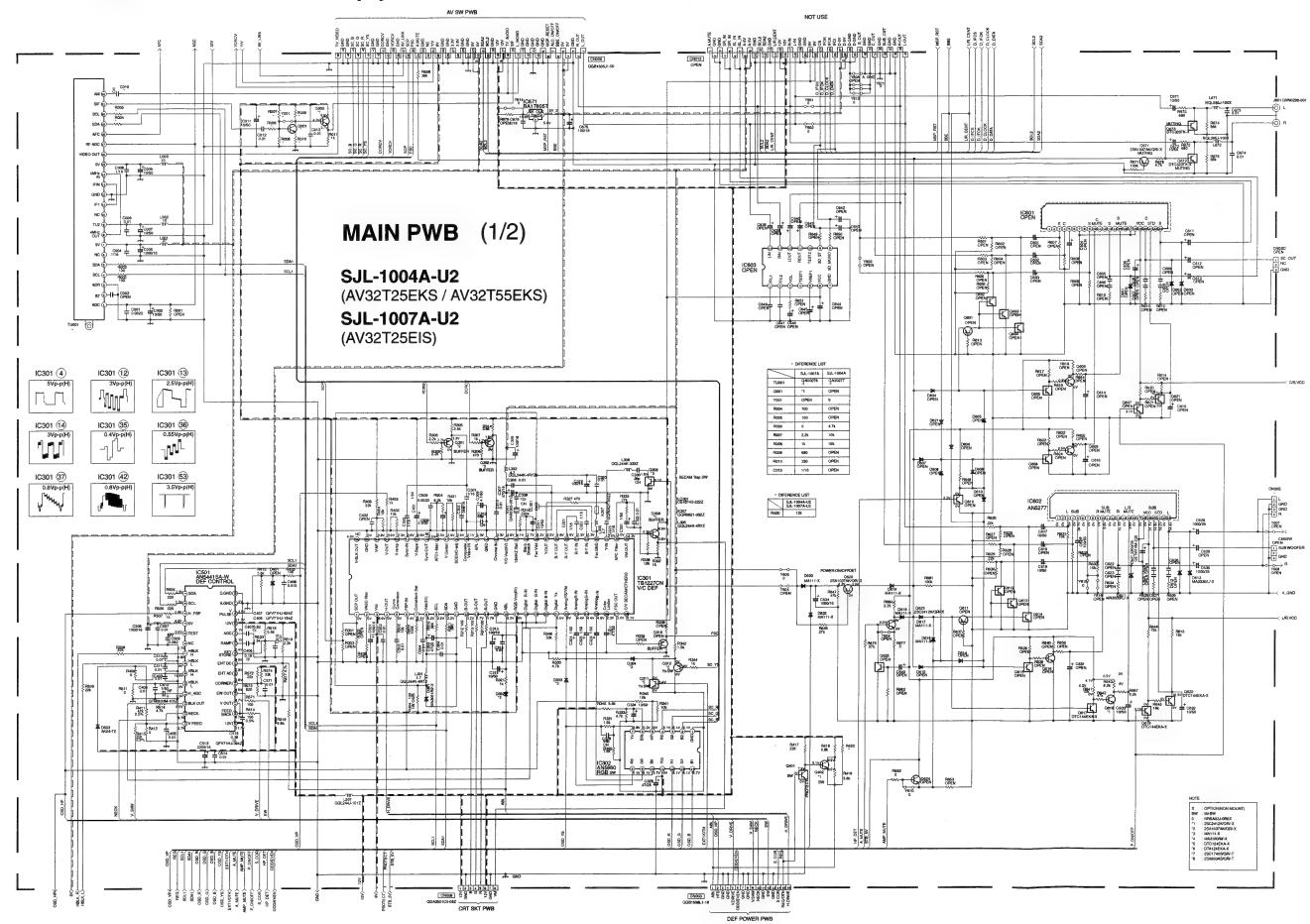
# BLOCK DIAGRAM (AV32T25EKS / AV32T25EIS / AV32T55EKS)



# BLOCK DIAGRAM (AV32R25EKS / AV32R250EKS)

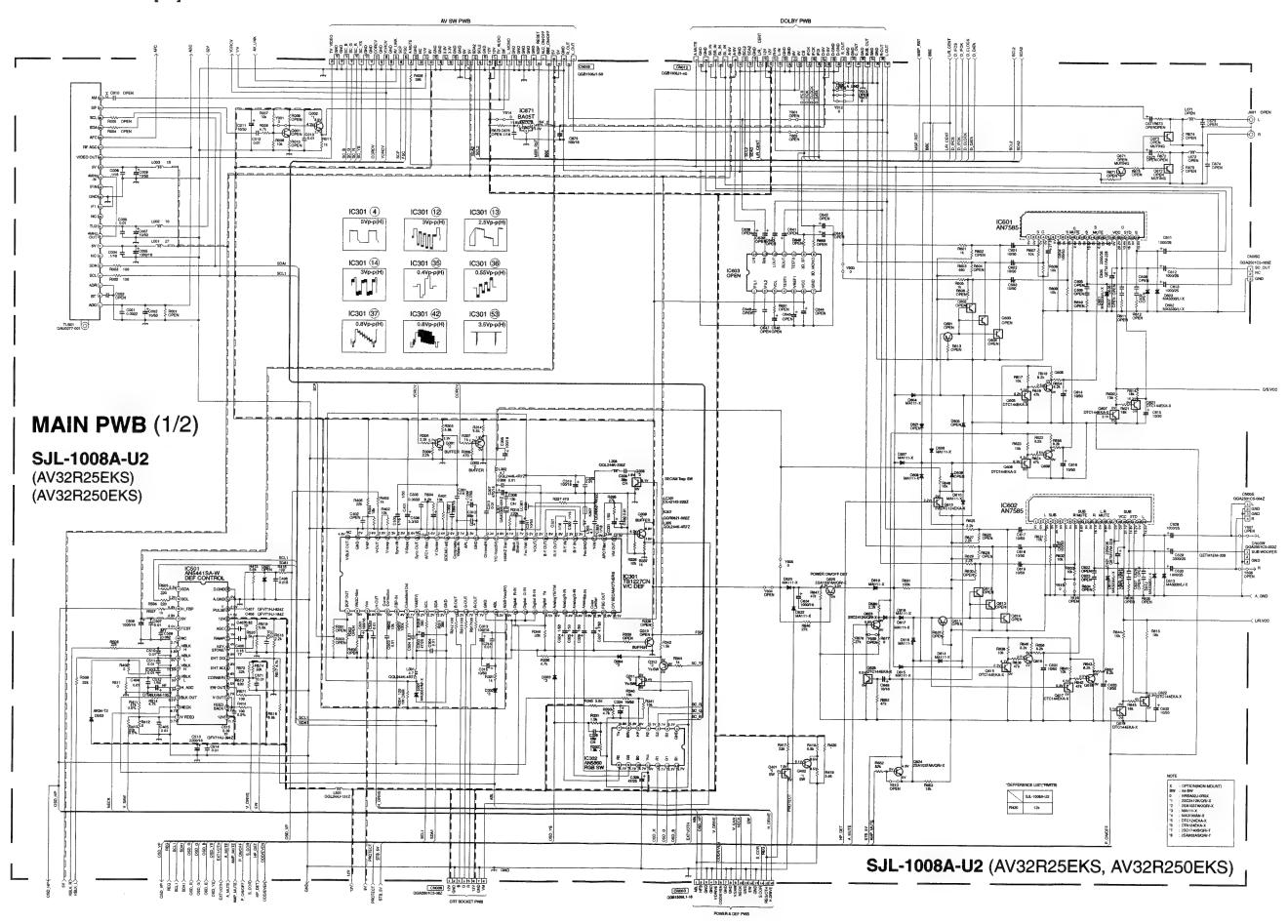


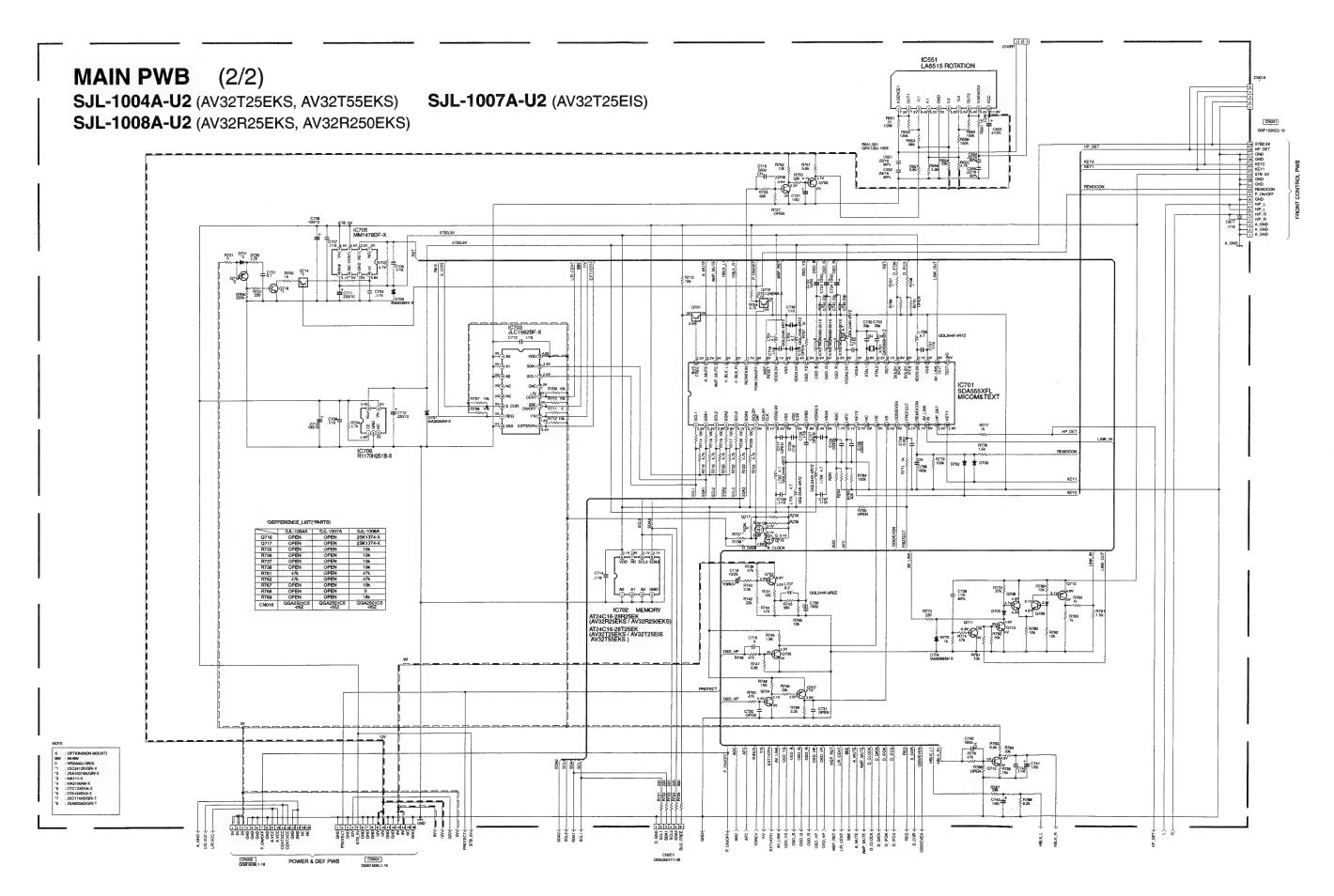
## CIRCUIT DIAGRAMS MAIN PWB CIRCUIT DIAGRAMS [1/2]

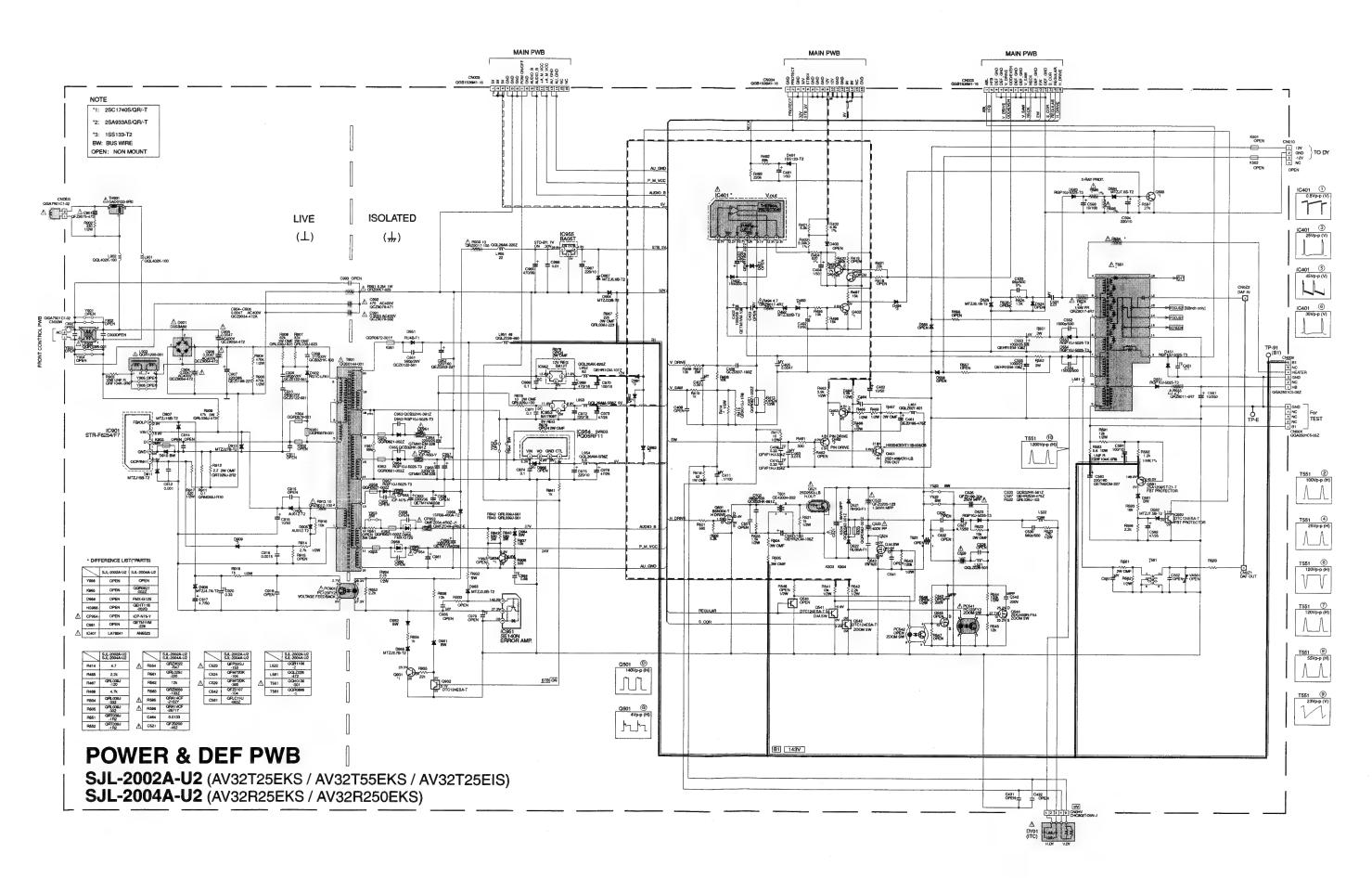


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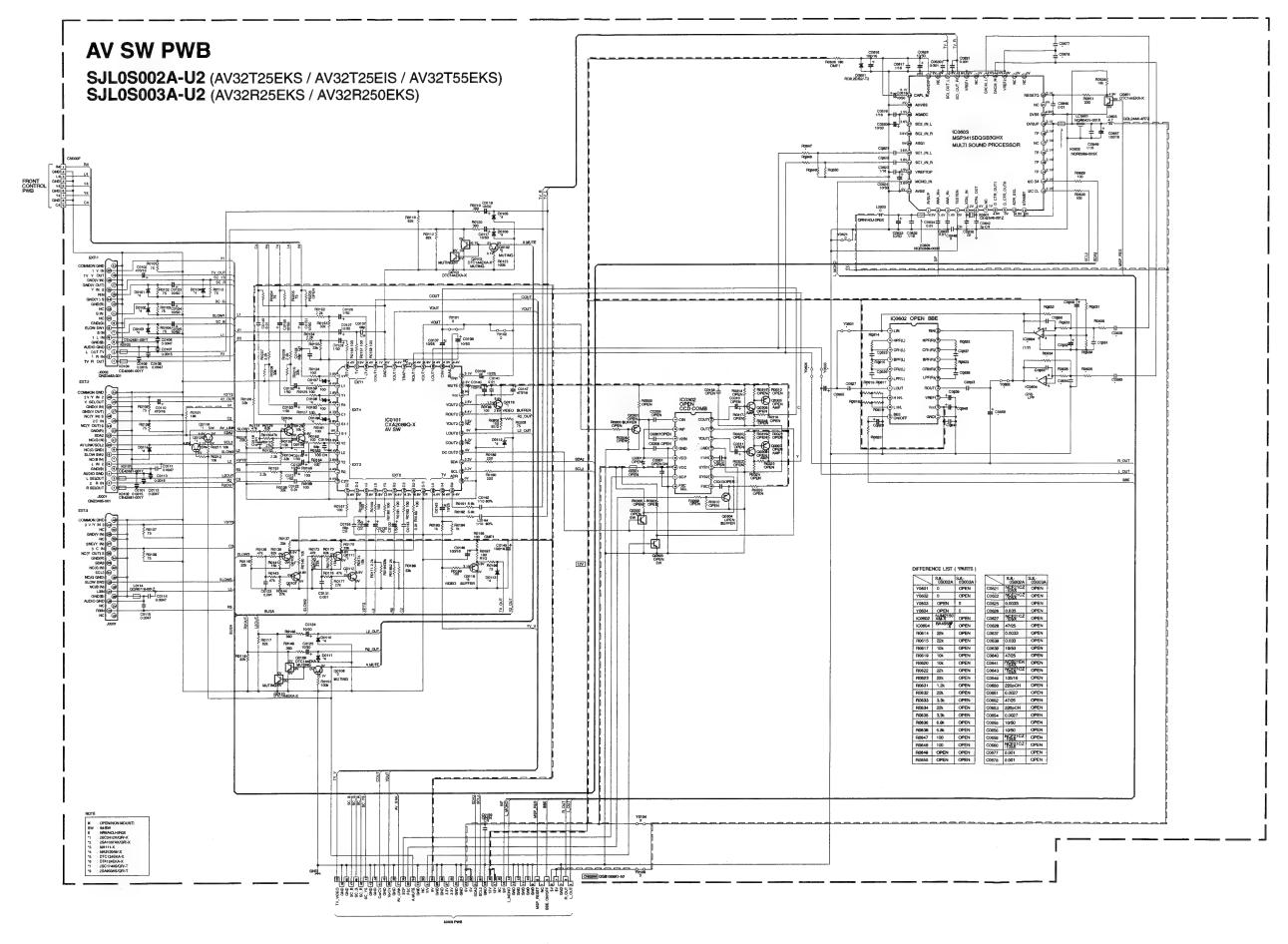
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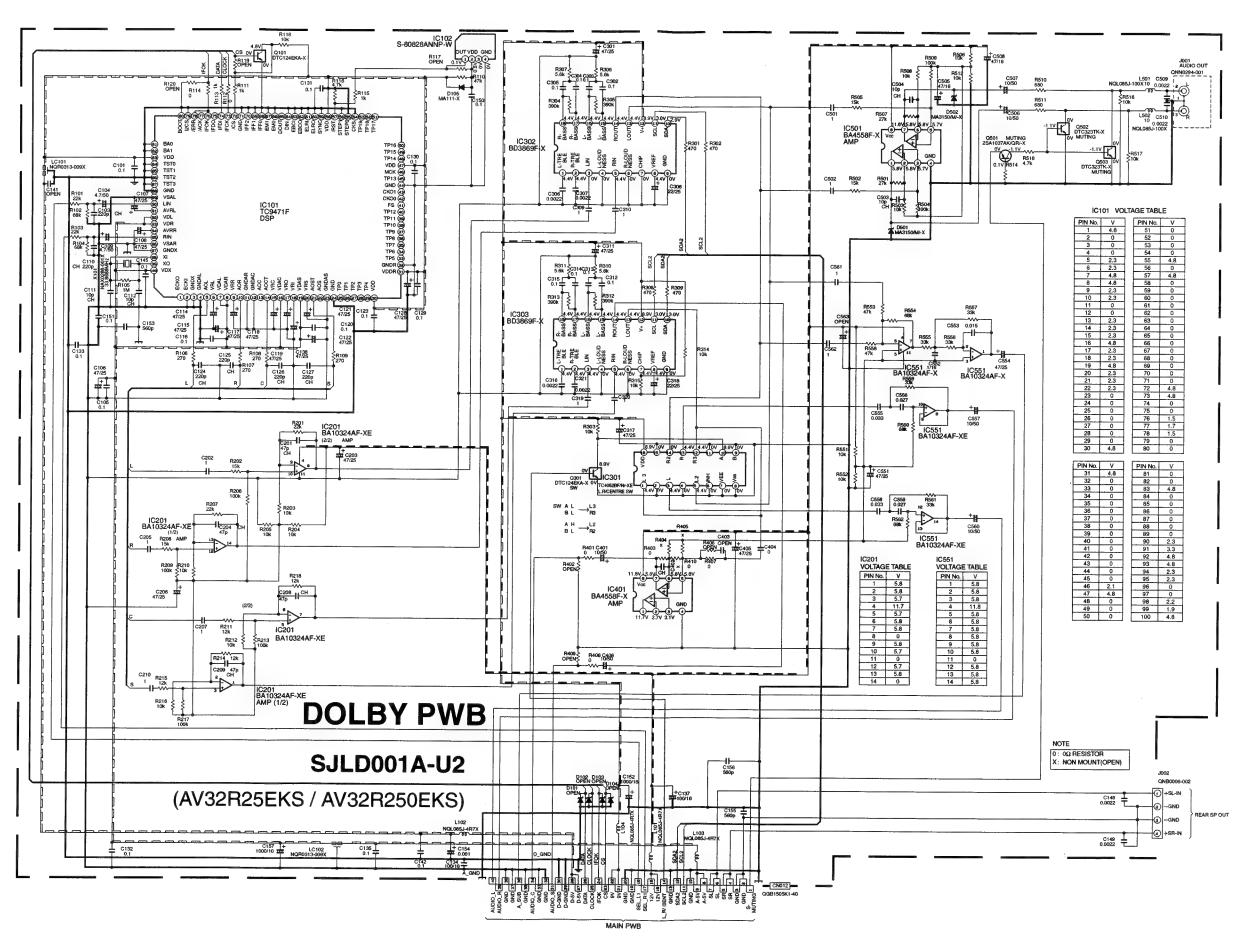


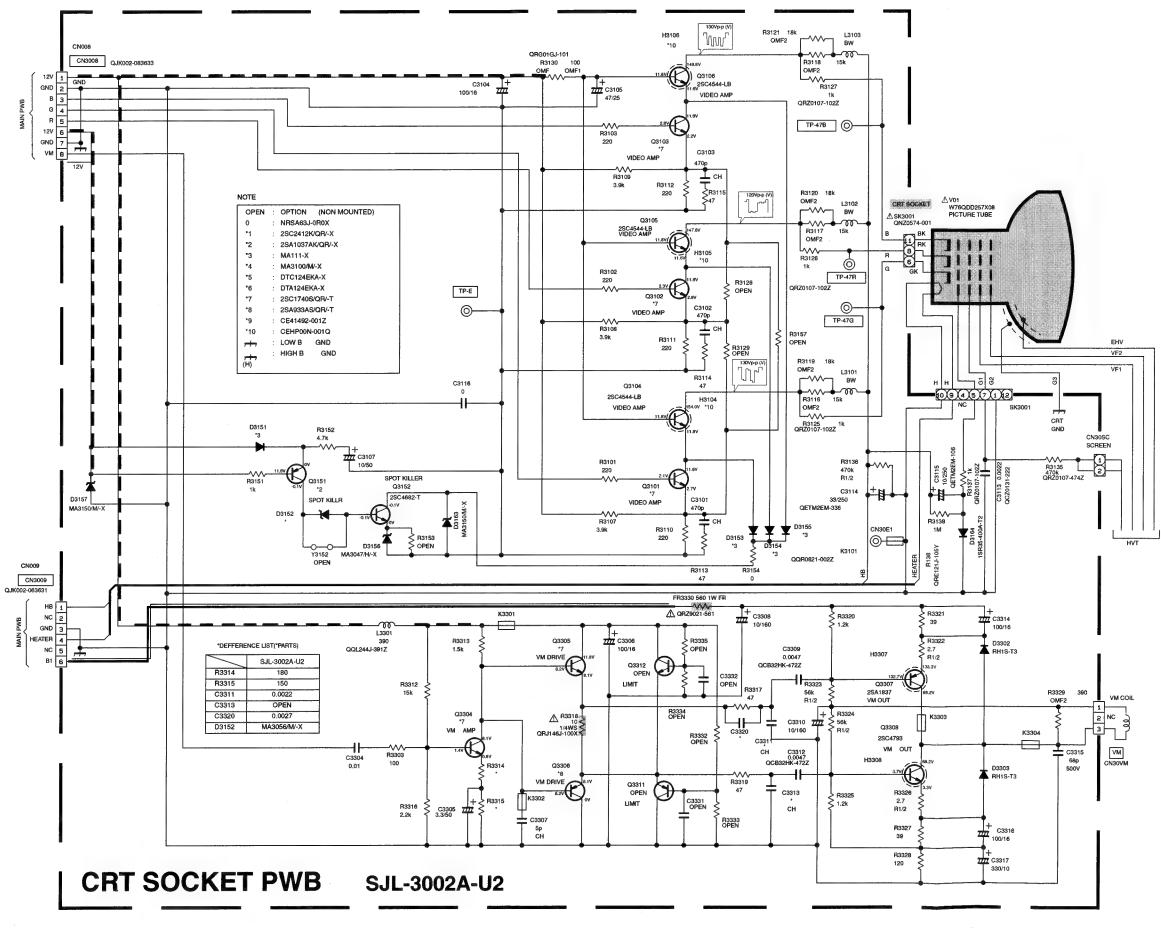


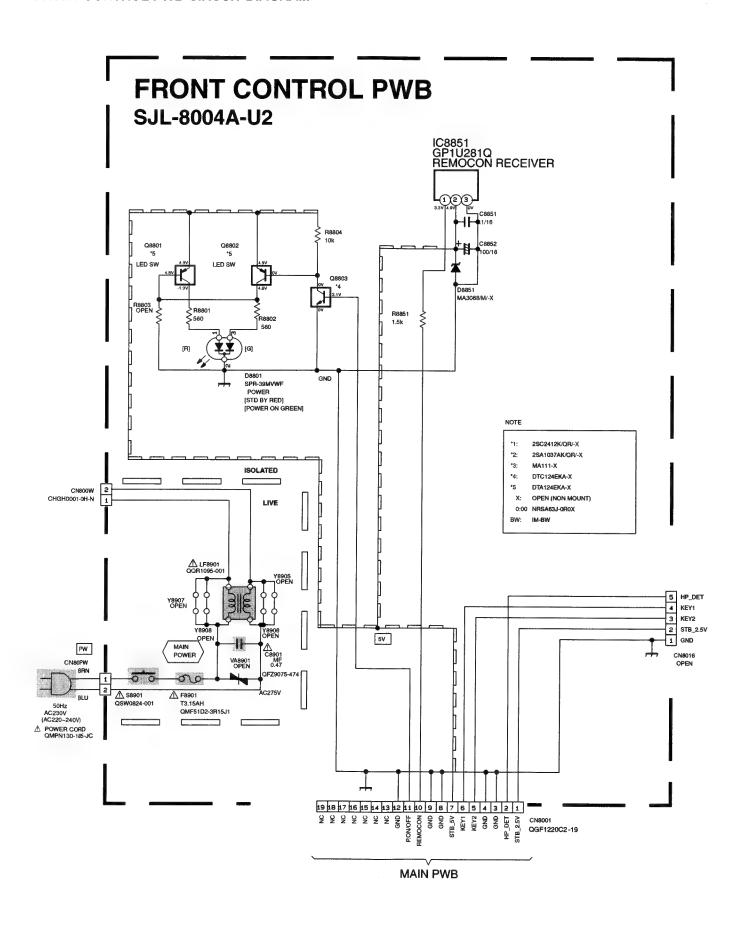


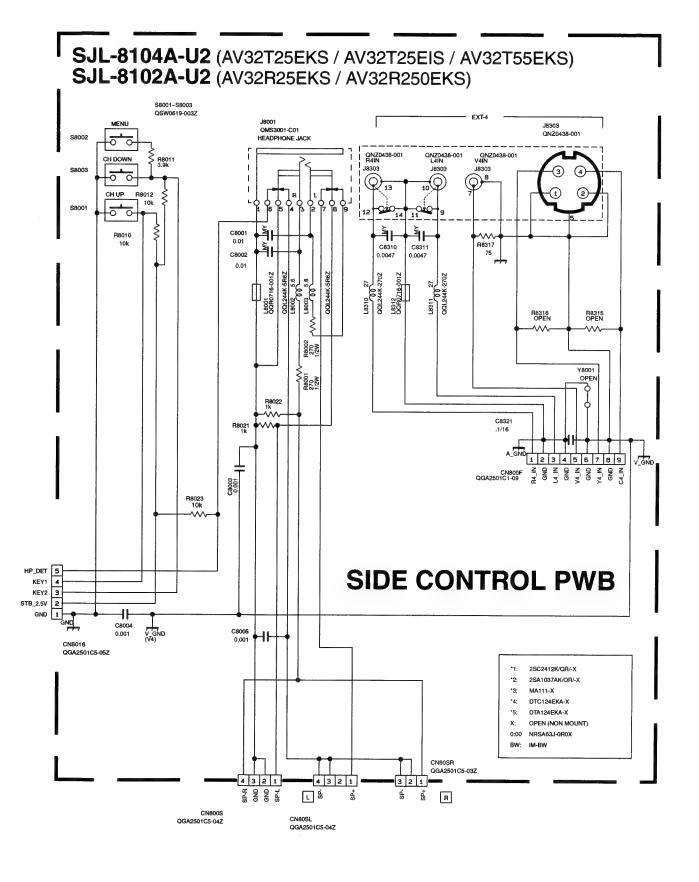
2-14





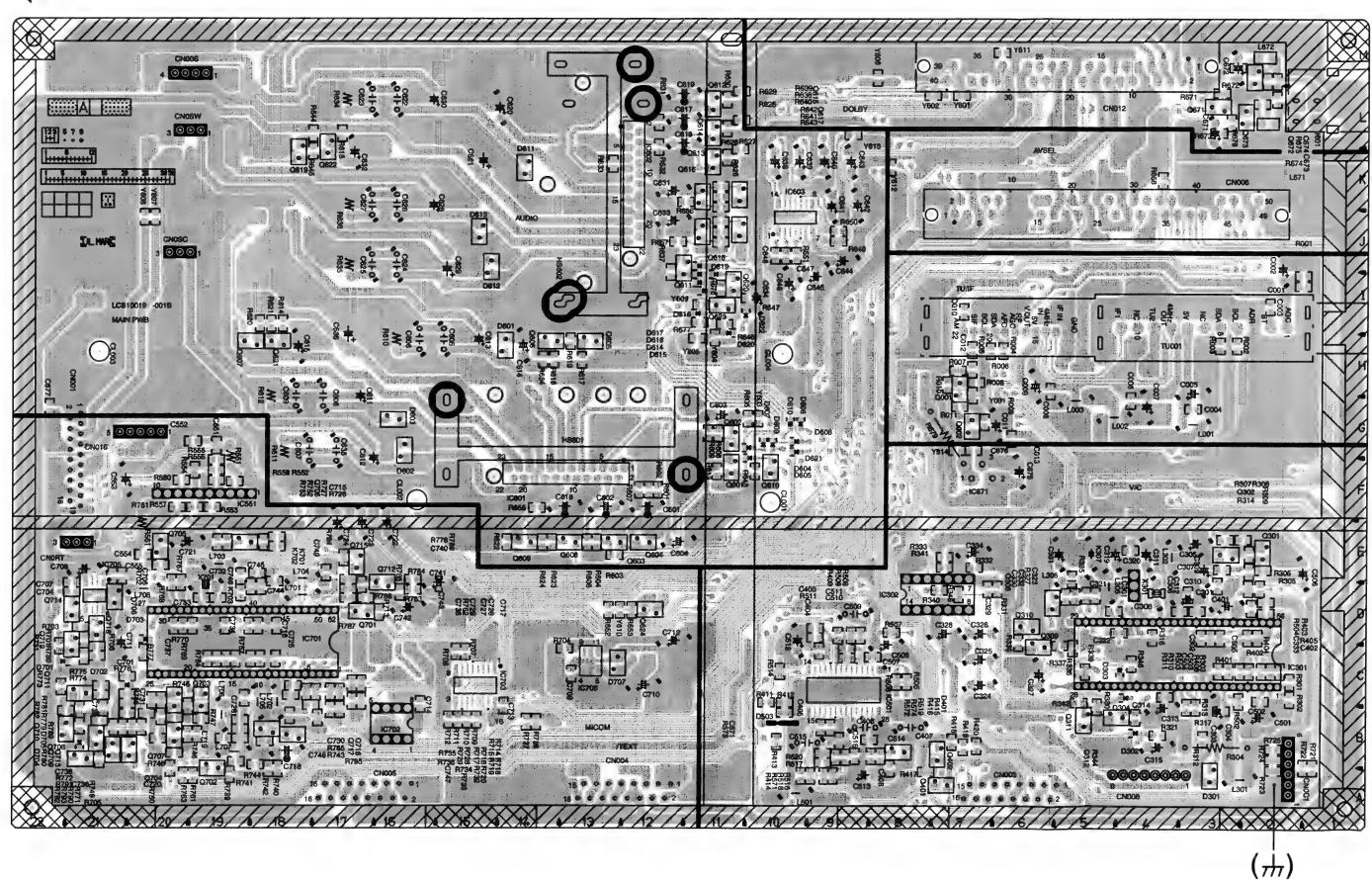




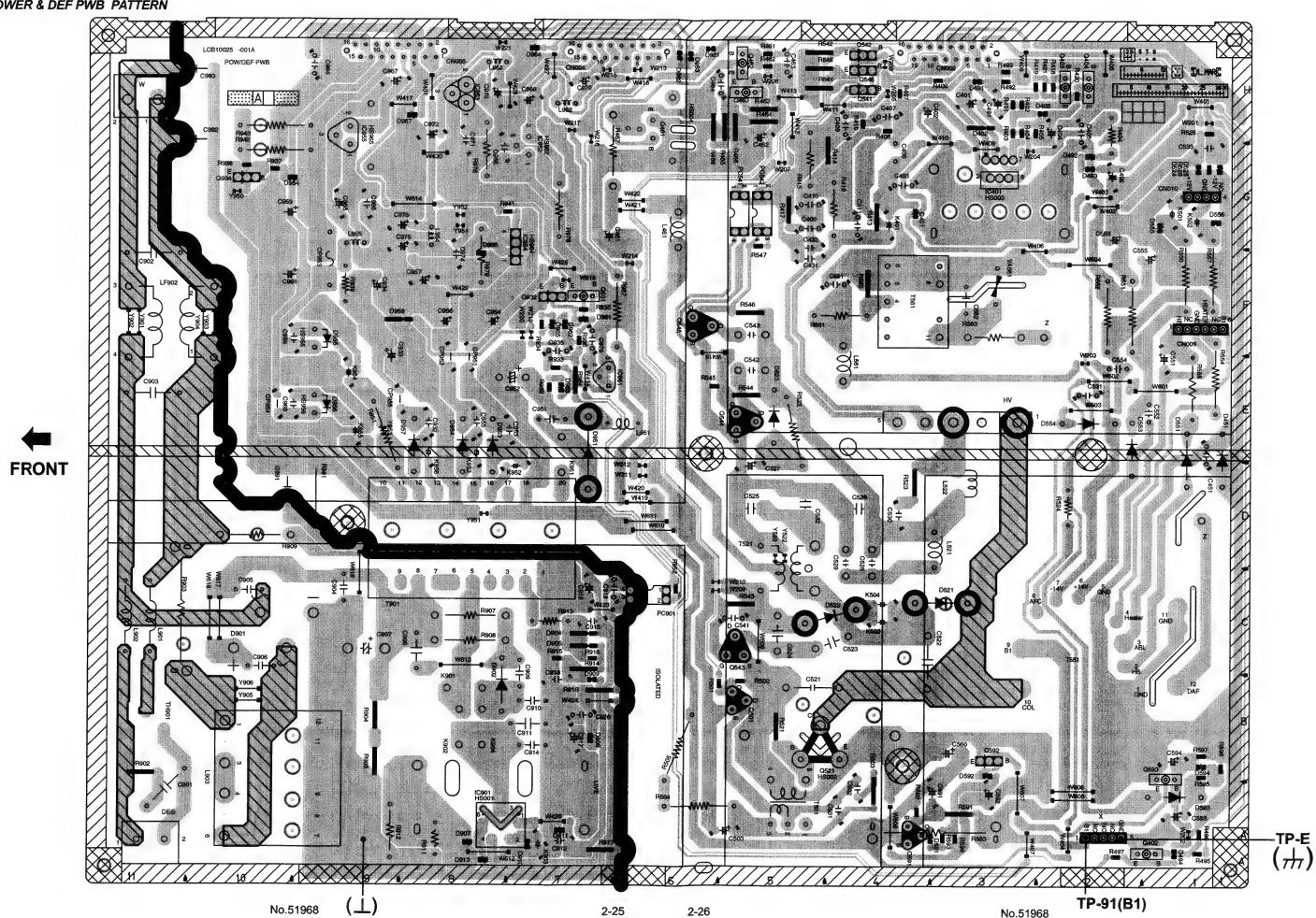


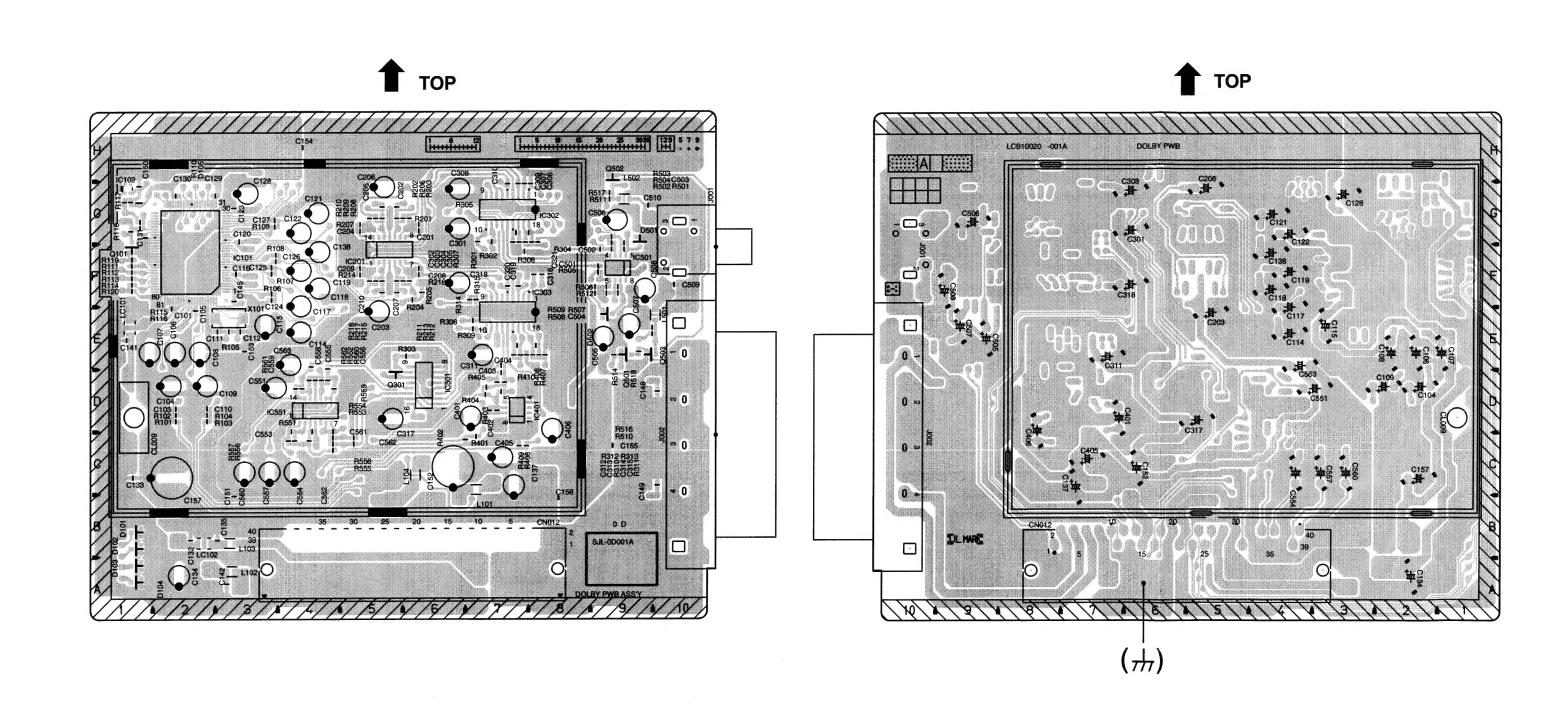
## PATTERN DIAGRAMS MAIN PWB PATTERN





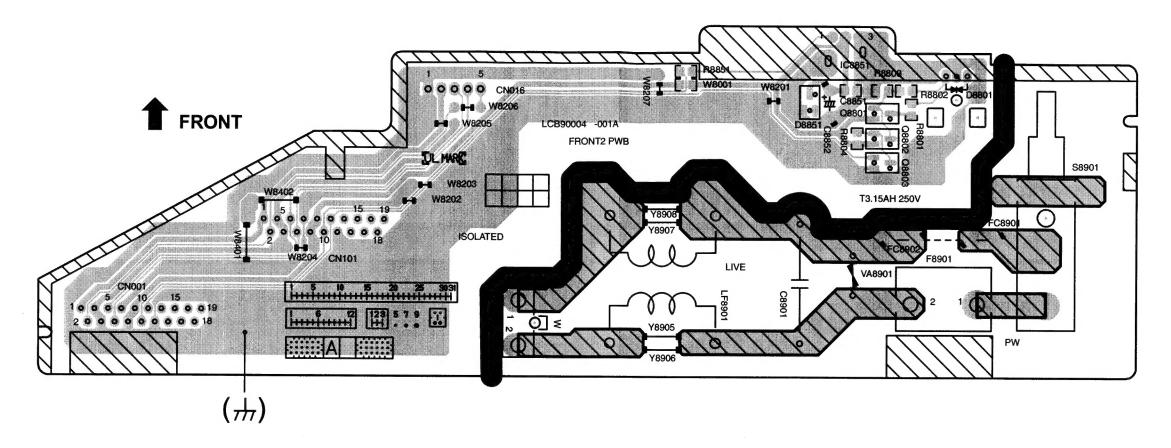
## POWER & DEF PWB PATTERN



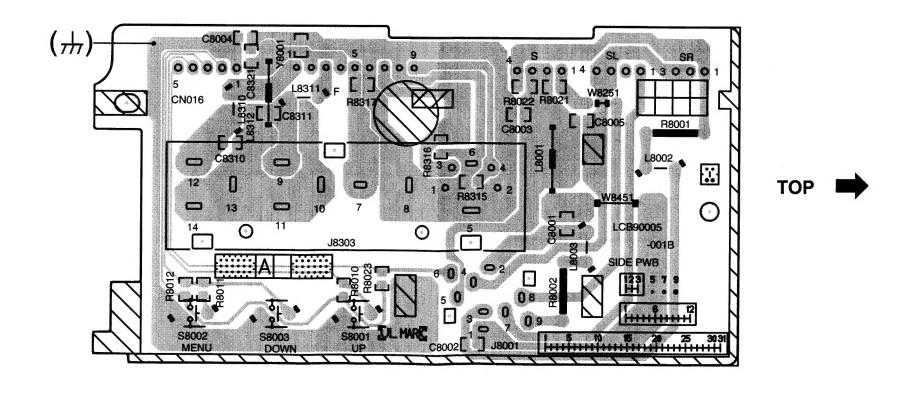


2-28

#### FRONT CONTROL PWB PATTERN

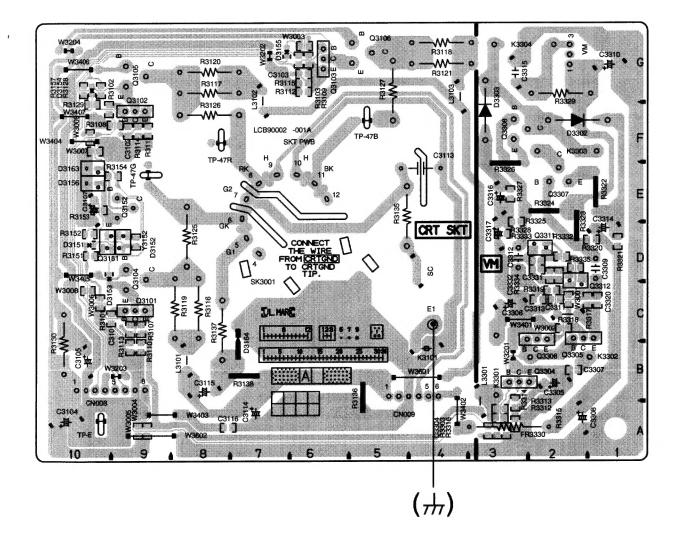


## SIDE CONTROL PWB PATTERN



#### CRT SOCKET PWB PATTERN

# 1 TOF



# AV32T25EKS / AV32T25EIS / AV32T55EKS AV32R25EKS / AV32R250EKS STANDARD CIRCUIT DIAGRAM

### ■ NOTE ON USING CIRCUIT DIAGRAMS

#### 1.SAFETY

The components identified by the ∆symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

#### 2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal : Colour bar signal

(2)Setting positions of each knob/button and

variable resistor : Original setting position

when shipped

(3)Internal resistance of tester :DC 20kΩ/V

(4)Oscilloscope sweeping time :H ⇒ 20µS/div

√ ⇒ 5mS/div

Others ⇒ Sweeping time is specified

Others ⇒ 5mS/div

Others ⇒ 5m

(5) Voltage values :All DC voltage values

\* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

#### 3.INDICATION OF PARTS SYMBOL [EXAMPLE]

● In the PW board :R1209 → R209

# 4.INDICATIONS ON THE CIRCUIT DIAGRAM (1)Resistors

Resistance value

No unit  $\begin{array}{ccc} : [ \Omega ] \\ \mathsf{K} & : [\mathsf{K} \, \Omega ] \\ \mathsf{M} & : [\mathsf{M} \, \Omega ] \end{array}$ 

Rated allowable power

No indication :1/16 [W]
Others :As specified

Type

No indication :Carbon resistor

OMR :Oxide metal film resistor

MFR :Metal film resistor

MPR :Metal plate resistor

UNFR :Uninflammable resistor

FR :Fusible resistor

\* Composition resistor 1/2 [W] is specified as 1/2S or Comp.

#### (2)Capacitors

Capacitance value

 $\begin{array}{ll} \mbox{1 or higher} & :[pF] \\ \mbox{less than 1} & :[\mu F] \end{array}$ 

Withstand voltage

No indication :DC50[V]

Others :DC withstand voltage [V]
AC indicated :AC withstand voltage [V]

\* Electrolytic Capacitors

47/50[Example]:Capacitance value [µF]/withstand voltage[V]

Type No indication :Ceramic capacitor MM :Metalized mylar capacitor PP :Polypropylene capacitor MPP :Metalized polypropylene capacitor MF :Metalized film capacitor TF :Thin film capacitor BP :Bipolar electrolytic capacitor TAN :Tantalum capacitor

(3)Coils

No unit :[ \( \mu \mathrm{H} \)]
Others :As specified

(4)Power Supply



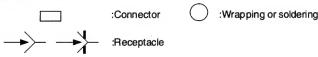
\*Respective voltage values are indicated

### (5)Test point

:Test point

:Only test point display

#### (6)Connecting method



#### (7)Ground symbol

# :ISOLATED(NEUTRAL) side ground

: :EARTH ground

#### **5.NOTE FOR REPAIRING SERVICE**

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : ( $\bot$ ) side GND and the ISOLATED(NEUTRAL) : ( $\cancel{\bot}$ ) side GND.Therefore, care must be taken for the following points.

(1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. If the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus ( oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.

Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

#### NOTE

Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.

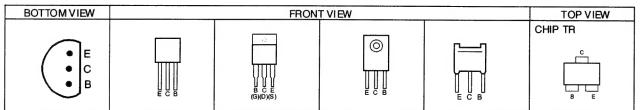
When ordering parts, please use the numbers that appear in the Parts List.

# **CONTENTS**

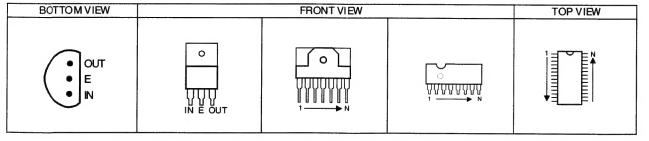
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CIRCUIT DIAGRAMS	
MAIN PWB CIRCUIT DIAGRAM	2-1: 2-1: 2-1: 2-2:
PATTERN DIAGRAMS	

# **SEMICONDUCTOR SHAPES**

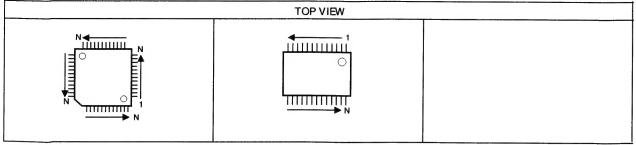
### **TRANSISTOR**



IC



## CHIP IC



## AV SW PWB PATTERN



